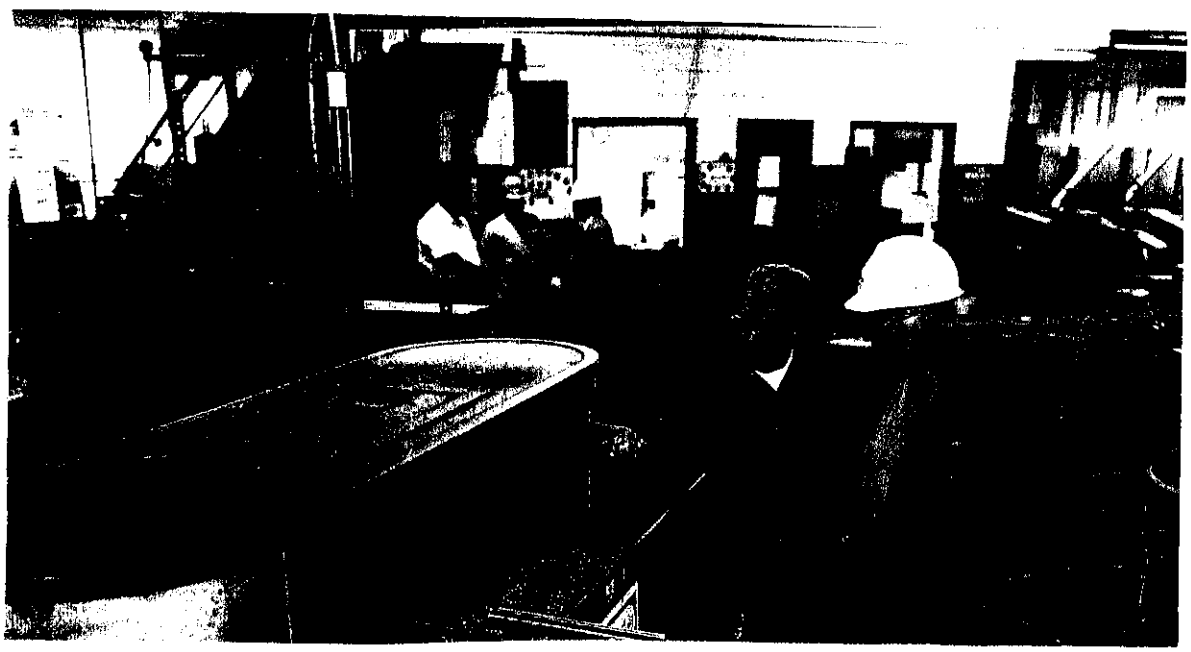
# National Pollution Prevention Roundtable

## Directory of Industrial Pollution Prevention Experience:



Bill Horsman 1994; Photo courtesy of Massachusetts OTA

## A Survey of Government Programs

2nd Edition

Funded under a grant by the US Environmental Protection Agency.
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# National Pollution Prevention Roundtable
## *Survey of Industrial P2 Experience*


Compiled and Edited by:
**Warren Weinstein**
National Pollution Prevention Roundtable

Project Advisors:
*Workgroup Project Chair*: **Paul Richard**
Massachusetts Office of Technical Assistance

*Workgroup Project Leader*: **Sharon Johnson**
North Carolina Department of Environment, Health, and Natural Resources

**Andrew Neblett**
Texas Natural Resource Conservation Commission

**Tony Sasson**
Ohio Environmental Protection Agency

**Dave Williams**
North Carolina Department of Environment, Health, and Natural Resources

Project Manager:
**Natalie Roy**
National Pollution Prevention Roundtable



The Roundtable would also like to thank the rest of the **Regulatory Integration Workgroup** for their assistance in helping to complete this directory. Thanks also to the Roundtable membership and everyone who filled out and returned surveys. Special thanks to Jocelyn Siegel and Kathy Davey of US EPA who made this project possible.


**National Pollution Prevention Roundtable Final Report**
September, 1995


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National Pollution Prevention Roundtable
2000 P Street NW, Suite 708
Washington, DC 20036
Phone: 202-466-P2P2
Fax: 202-466-7964

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# Introduction

This report marks the completion of the National Pollution Prevention Roundtable's (The Roundtable) 1994-95 project- *Industrial Pollution Prevention Experience: A Survey of State and Local Government Programs.* The project was funded through the Source Reduction Review Project at EPA. Through this publication, the Roundtable has produced the most comprehensive listing to date of the industrial Pollution Prevention experience of Roundtable members from around the country.

The first edition of this publication (published in June, 1995) resulted from a survey the Roundtable sent out in December, 1994 to 165 of its member organizations. Sixty four organizations responded and were listed in the first edition. In July, the survey was sent out once again to Roundtable members who did not fill out the original survey. Twelve additional organizations responded. These additional responses prompted the Roundtable to print a second edition that includes all seventy six entries.

This document can be utilized by federal, state, and local governments to access P2 information in order to incorporate specific P2 language into rules and regulations. The information can also serve as an invaluable tool for anyone seeking P2 guidance, assistance, or knowledge about a specific organization or a particular manufacturing sector.

Environmental protection as viewed by today's legislators, realizes that cooperative efforts to avoid, eliminate, or reduce pollution at the source achieves better environmental protection, increases production efficiency, and also results in economic benefits. As pollution prevention continues to gain widespread acceptance as an integral component of environmental protection, the programs cited in this report will continue holding the keys for realizing future P2 goals.

Please note that this publication contains data on only the number of site visits and any other technical experience identified by each organization. Additional information, including individual program staff experience and other relevant details, is available on the Roundtable's database. Anyone seeking more specific information is encouraged to call the contact person listed for each program.

**How to use this book**:

•The entries are organized alphabetically by organization name. A contact person is listed for each program.

•Within the organization the industrial experience is grouped according to Standard Industrial Classification (SIC) Codes. SIC Codes catalogue all types of business, manufacturing, and production practices. Respondents had the choice of using two, three, and four digit SIC Codes to respond to the survey. The information on SIC Codes

and technical knowledge for each organization reflects how each agency chose to categorize its own industrial experiences.

•The information on site visits and industrial experience reflects the last three years of data collection. Certain organizations could only provide estimated numbers of site visits. Note that because the data was compiled by different organizations, in some cases, the information had to be reorganized in order to fit the layout of this document. Thus for some organizations, information from two or more SIC Codes was grouped together. In most cases a zero under the number of site visits indicates that the organization has not made any site visits in that particular SIC Code for the past three years. In some select cases, a zero may also indicate that the organization did not reveal this information.

•This report contains information on specific pollutants for each production process and the P2 technique(s) to combat these pollutants. In most cases, programs revealed which pollutants and techniques applied to which processes. Because many processes within the same SIC Code are similar, many pollutants and techniques often overlap two or more processes. When *NA* is listed under process, pollutant, or technique it indicates that the organization did not provide this information.

•To facilitate the use of this document to find specific information, Appendix A lists all the four digit SIC Codes (the two digit SIC Code is simply the first two digits of the four digit code) and Appendix B catalogues a program's information by SIC Code. The index includes organizations, contact names, and states.

**Key:**
The following is the list of abbreviations for pollution prevention technique codes that respondents used for their data:

| | |
|---|---|
| Equipment Modernizations- | **EMD** |
| Equipment Modifications- | **EM** |
| Improved Maintenances- | **IM** |
| Improved Operator Practices- | **IOP** |
| In-Process Recycling- | **IPR** |
| Inventory Control- | **IC** |
| Process Modifications- | **PM** |
| Product Modifications- | **PTM** |
| Substitution- | **Sub** |
| Other- | **Oth** |

Some abbreviations that are used for pollutants include:

| | |
|---|---|
| Biochemical Oxygen Demand | BOD |
| Chemical Oxygen Demand | COD |
| Chlorflurocarbons | CFCs |

| | |
|---|---|
| Methyl Ethyl Ketone | MEK |
| Volatile Organic Chemicals/ Liquids | VOCs / VOLs |

(In some cases element pollutants are abbreviated by their chemical symbols while most compound pollutants are spelled out.)

**What is the National Pollution Prevention Roundtable?**

The National Roundtable is the largest membership organization dedicated solely to pollution prevention. The Roundtable provides a forum for promoting the development, implementation, and evaluation of efforts to avoid, eliminate, or reduce pollution at the source. The organization's voting membership is comprised of state, local, and tribal government's pollution prevention programs from all fifty states. Affiliate members include representatives from federal agencies, non-profit groups, and private industry. Public sector members operate programs in all fifty states that provide pollution prevention information and technical assistance to thousands of industrial, commercial, and agricultural facilities each year.

To find out more about the Roundtable, or to find out how to become a member please contact the main office in Washington D.C. at (202) 466-P2P2.

Program Name: **Alabama WRATT Foundation**

Address: PO Box 1010
Muscle Shoals, AL 35660-1010

Contact: Pete Goudreau

Phone: 205/386-2605

Fax: 205/386-2674

E-Mail: WRATT 1 pag@aol.com

| **SIC Experience** | Site Visits |
|---|---|
| 20 | 1 |
| 22 | 6 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Packaging, Cutting | Ink, Cloth, Tape | Sub,EM,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 26 | 2 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning, Steam Generation | Bark, Lumber, Ash | PM,PTM |

| **SIC Experience** | Site Visits |
|---|---|
| 28 | 3 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Chemical Processing | Dilute Waste | IPR |

| **SIC Experience** | Site Visits |
|---|---|
| 33,34,35 | 25 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Casting | Sand, Slag | IPR,PM |
| Degreasing | Solvents | Sub,PM |

Program Name: **Alaska Department of Environmental Conservation**
Pollution Prevention Office

Address: 555 Cordova Street
Anchorage, AK 99501-2617

Contact: David Wigglesworth

Phone: 907/269-7502

Fax: 907/269-7652

E-Mail: dwiggles%envircon@state.ak.us

| **SIC Experience** | Site Visits |
|---|---|
| 1389 | 10 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Equipment Maintenance | Oily Water, Solid/Haz Waste | IPR,IC |
| Degreasing | Solvents | Sub,PM,IOP |
| Fuel Dispensing | Fuel Spills | PM,IOP |

| **SIC Experience** | Site Visits |
|---|---|
| 9711 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Equipment Maintenance | Used Oil, Solid/Haz Waste | EM,IM,IOP,IC |
| Surface Cleaning, Blasting | Grit, Haz Waste | Sub,PM |

Program Name: **Allegheny County Health Department**
Environmental Toxics and Pollution Prevention

Address: 3901 Penn Ave. Building 3; Environmental Quality Bureau
Pittsburgh, PA 15224-1345

Contact: Wilder Bancroft

Phone: 412/578-8319

Fax: 412/578-8065

| **SIC Experience** | Site Visits |
|---|---|
| 28,29,33,37 | 0 |

Information on Processes, Pollutants, and Techniques is not available.

Program Name: **Arizona Department of Environmental Quality**

Address: 3033 North Central Ave
Phoenix, AZ 85012

Contact: Todd Dorris

Phone: 602/207-4337 or 800/234-5677

Fax: 602/207-4872

| **SIC Experience** | Site Visits |
|---|---|
| 3089 | 2 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Equipment/Wipe Cleaning | Acetone, Lacquer Thinner | Sub,IOP,EM,EMD |

| **SIC Experience** | Site Visits |
|---|---|
| 34 | 3 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Metal Fabrication | Machining Fluids | PM,IOP |
| Plating, Metal Finishing | Spent Solutions | Sub,IOP,PM |
| Rinsewater | Wastewater | IPR,IOP,PM |
| Cleaning, Degreasing | Spent Solvents, Air Emissions | Sub,IOP,IPR,EM |

| **SIC Experience** | Site Visits |
|---|---|
| 75 | 3 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning, Degreasing | Spent Solvents, Oil, Batteries | Sub,IOP,IPR,EM |

*Program Name:* **Arkansas Industrial Development Commission**

Address: 1 State Capitol Mall
Little Rock, Arkansas 72201

Contact: Ed Davis

Phone: 501/682-7322

Fax: 501/682-2703

| **SIC Experience** | Site Visits |
|---|---|
| 21-23, 25-27, 29-39 | 500 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Manufacturing Processes | People Generated Wastes | IM,IC,PM,IPR,Sub |

Program Name: **California Department of Toxic Substances Control (DTSC)**
Office of Pollution Prevention and Technology Development

Address: P.O. Box 806
Sacramento, CA 95812-0806

Contact: David Hartley

Phone: 916/324-1815

Fax: 916/327-4494

E-Mail: hw1.dhartley@hw1.cahwnet.gov

| **SIC Experience** | Site Visits |
|---|---|
| 2911 | 1 |
| 34 | 6 |
| 3672 | 1 |
| 3678 | 1 |
| 3679 | 3 |
| 3728 | 1 |
| 3827 | 0 |
| 7384 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Removal Etching | Spent Etchent, Cu Chlorides | Sub,IM,PM |
| Photoprocessing | Ag, Cyanide Complexes | IPR,IOP,PM,EM |
| Ag Recovery from Photowastes | Ag | PM,EMD |
| Substitute (Aqueous), Cleaner Replacement | Spent Trichloroethane | Sub |
| Paving Area in Refinery | Oil, Water Separation | IOP |
| Cleaning, Degreasing | NA | Sub,EM |
| Plating Bathroom | NA | Sub,IM,PM |
| Plating Rinse Batch | NA | IM,PM,EMD |
| Degreasing, Cleaning | Trichloroethane | Sub |

Program Name: **California Manufacturing Technology Center (CMTC)**

Address: 13430 Hawthorne Blvd.
Hawthorne, CA 90250

Contact: John N. Osborne

Phone: 310/355-3060

Fax: 310/676-8630

E-Mail: osbornej@cerf.net

| **SIC Experience** | Site Visits |
|---|---|
| 20,22,23,25,26,30, 34,35,36,37,38,39 | 650 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Metal Forming, Machine Shops | Coolants, Scraps | IOP,EM |
| Metal Finishing | Wastewater | IM |
| Electronics | Cleaning Solutions | PM |
| Plastics, Composites | Scrap Metals | IPR |

---

Program Name: **City and County of San Francisco Chief Administrator's Office**
Solid Waste Management Program

Address: 3801 Third Street
San Francisco, CA 94124

Contact: Bill Quan

Phone: 415/695-7337

Fax: 415/695-7377

| **SIC Experience** | Site Visits |
|---|---|
| 1721 | 18 |
| 7532 | 21 |
| 7538,7539 | 38 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Painting | Paint Thinner/Mixer, Oil Based/ Metal Containing Paints, Solvents | IPR,Sub |
| Automotive Services | Various | IM |
| Oil Change | Waste Oil | IM |
| Antifreeze Change | Antifreeze | IM |

---

**City and County of San Francisco Chief Administrator's Office**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 275 | 19 | |
| *Process* | *Pollutant* | *Technique* |
| Printing | Oil Based Inks | Sub,IC |
| Cleaning | Solvents | Sub,Oth |
| Photography | Ag | Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 2891 | 0 | |
| *Process* | *Pollutant* | *Technique* |
| Gluing | Various | Sub |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3471 | 3 | |
| *Process* | *Pollutant* | *Technique* |
| Metal Plating | Chemical Waste | IOP,IPR |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 5541 | 40 | |
| *Process* | *Pollutant* | *Technique* |
| Cleaning | Halogenated Wastes | Sub,IOP,PM,IM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 8062 | 0 | |
| 8811 | 2 | |
| *Process* | *Pollutant* | *Technique* |
| Various | NA | Sub,IPR,IOP,PM,IM,IC |
| Cleaning, Pest Control | NA | Sub |

Program Name: **City of Los Angles Environmental Affairs Department**
Hazardous and Toxic Materials Office

Address: 201 North Figueroa Street, Suite 200
Los Angeles, California 90012

*Contact:* Donna Toy-Chen/ Mark Nakata

Phone: 213/580-1079

Fax: 213/580-1084

E-Mail: mark_nakata@pop.com

| **SIC Experience** | Site Visits |
|---|---|
| 0181,5261 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Pesticide Applications | Pesticides | Sub |
| Plant Heating | Small Fuel Oil Spills | IOP,IM,IC,PM,EM |
| Facility | Stormwater Runoff | IOP,IM,IC |

| **SIC Experience** | Site Visits |
|---|---|
| 2082 | 1 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Brewery Process Water | Wastewater BOD | PM,EM |
| Packaging | Solid Waste | IC,Oth |

| **SIC Experience** | Site Visits |
|---|---|
| 2091 | 1 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Tuna Cannery Process, Fish Meal Process, Wetfish/Pet Food Process, Soluble Process | Wastewater BOD | EM,IPR,Sub |
| Can-Making Process | Scrap Metal | Oth |

| **SIC Experience** | Site Visits |
|---|---|
| 3471 | 10 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Nickel Line, Electroless Nickel Line | Nickel Wastewater/Sludge | IOP,EM,EMD,Sub |
| Aluminum Line | Aluminum Wastewater/Sludge | IOP,IPR,EMD,EM |
| Chromium Line | Hexchrome Wastewater/Sludge | Sub,IOP |
| Cadmium Line | Cadmium Wastewater/Sludge | IOP,PM |

**City of Los Angles Environmental Affairs Department**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3672 | 3 | |
| *Process* | *Pollutant* | *Technique* |
| Plating Process | Wastewater/Sludge | IOP,IM,IC,IPR,Sub |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3731 | 1 | |
| *Process* | *Pollutant* | *Technique* |
| Painting, Sand Blasting | Paint, Solvent Waste | EM,IOP,IPR,Sub |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3911 | 5 | |
| *Process* | *Pollutant* | *Technique* |
| Casting, Stripping, Polishing | HF Acid, Cyanide, Silica Dust | Sub,PM |
| Waxing, Soldering | CFCs,Cd | Sub,PM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 4491 | 1 | |
| *Process* | *Pollutant* | *Technique* |
| Container/Auto. Maintenance | Solvent Waste, Sorbents, Aerosol Containers, Miscellaneous Solid Waste | IOP,Sub,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 4512 | 1 | |
| *Process* | *Pollutant* | *Technique* |
| Plating Line | Wastewater/Sludge | Sub,IOP,IM,IC |
| Machine shop | Waste Coolant | Sub,IOP,IM,IC |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 75 | 10 | |
| *Process* | *Pollutant* | *Technique* |
| Oil (Filter) Change | Waste Oil Filters | IOP,Oth |
| Antifreeze Change | Waste Antifreeze | IOP,Oth |
| Engine Parts Cleaning | Waste Solvents | IOP,IPR,Sub |
| Battery Change | Spent Battery | IOP,Oth |

**City of Los Angles Environmental Affairs Department**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 7641 | 4 | |
| *Process* | *Pollutant* | *Technique* |
| Paint Stripping | Waste Solvents | Sub,IOP |
| Painting/Coating | VOCs | Sub,IOP,EMD |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 9199 | 100 | |
| *Process* | *Pollutant* | *Technique* |
| Automotive Maintenance | Waste Auto Fluids | IOP,IPR,IM,IC,EMD,Sub |
| Autobody Painting | Waste Paint | IOP,IM,IC,EMD |
| Building Maintenance | Waste Paint | IOP,IM,IC |
| Printing/Photoprocessing | Agricultural Solvents | IOP,IC,Oth,Sub |
| Laboratory Processing | Laboratory Waste | IOP,IM,IC,PM,Sub |

Program Name: **City of Phoenix**
Water Services Department; Pollution Control Division

Address: 2303 W. Durango
Phoenix, AZ 85009

Contact: Jenée Gavette

Phone: 602/262-6997

Fax: 602/534-7151

| **SIC Experience** | Site Visits | |
|---|---|---|
| 7384 | 30 | |
| *Process* | *Pollutant* | *Technique* |
| Solutions to Sewer | Ag | Sub,IPR,IOP,PM,EM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 8021 | 70 | |
| *Process* | *Pollutant* | *Technique* |
| Amalgam Sewer Disposal | Hg | IOP,EM |

Program Name: **City of Winston-Salem, Industrial Waste Control**
Industrial Waste Control

Address: 2799 Griffith Road
Winston-Salem, NC 27103

Contact: Crystal Couch

Phone: 910/765-0134

Fax: 910/659-4320

| **SIC Experience** | Site Visits |
|---|---|
| 20 | 9 |
| 21 | 3 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cooking, Baking | BOD, COD, Oil and Grease | PM,IOP,IPR,EM |
| Bottling | BOD, COD | PM,IOP,IM |
| Cleaning/ Sanitation | Wastewater, Biocides | IPR,PM,EM |

| **SIC Experience** | Site Visits |
|---|---|
| 22 | 8 |
| 23 | 1 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Dyeing, Finishing | Dyes, Metals, BOD, COD, Water | EM, EMD,PM,Sub |
| Bleaching, Scouring | BOD, pH | IOP,EM, IPR |
| Printing, Coating | Solvents | IPR,EMD |

| **SIC Experience** | Site Visits |
|---|---|
| 26 | 3 |
| 27 | 1 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Corrugating | BOD, Suspended Solids, Oil, Grease | EM,IM,IPR |
| Printing | Inks, BOD, COD, Metals, Solvents | EM,IPR,EMD,IOP,Sub |
| Adhesives | BOD, Suspended Solids | IPR |
| Plating | Metals | EMD |

| **SIC Experience** | Site Visits |
|---|---|
| 34, 35 | 11 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning | Solvents | Sub,PM,IPR |
| Plating | Water, Metals | Sub, EM,IM IOP,EMD |
| Machining | Oils, BOD | PM, Sub, IPR |
| Coating, Painting | VOCs, Metals | Sub,EM,PM,OTH |

**City of Winston-Salem, Industrial Waste Control**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 36 | 3 | |
| *Process* | *Pollutant* | *Technique* |
| Cleaning | Solvent, Acid | Sub, IPR |
| Plating | Metals | IPR |
| Battery Manufacturing | Metals, Wastewater | IM,EM,IOP,PM,IPR |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 42 | 2 | |
| *Process* | *Pollutant* | *Technique* |
| Engine Rebuilding | Oil and Grease, Metals | EMD |
| Washing | BOD | PM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 45 | 2 | |
| *Process* | *Pollutant* | *Technique* |
| Cleaning | BOD, COD, Metals, Soap | Sub, IOP, PM |
| Plating | Metals, H20 | EM |

Program Name: **Clemson University**
Environmental Systems Engineering Department

Address: PO Drawer 1607
Clemson, SC 29633-1607

Contact: Bob Mussro

Phone: 803/656-0870

Fax: 803/656-4450

E-Mail: robert.mussro@ces.clemson.edu

| **SIC Experience** | Site Visits | |
|---|---|---|
| 22 | 15 | |
| *Process* | *Pollutant* | *Technique* |
| Energy, Humidity Control, Dust Control | Dust | IOP,IM,PM,EM,Oth |
| Waste Handling | Plastic | IPR,IOP,Oth |
| Dyeing | Toxics, Metals, pH | IPR,IOP,PM,EM,Oth |

**Clemson University**-(Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 28 | 20 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Pollution Control Cleaners/Coatings, Dust/ | Organics, Inorganics | IPR,IOP,IM,PM,EM |
| Vapor Control | VOCs, Metals | Sub,IPR,IOP,IM,PM,EM,Oth |
| Thermal Processing | VOCs | PM,EM,Oth |
| Solids Handling | Bio Wastes, Metals, Plastics | IPR,IOP,Oth |

| **SIC Experience** | Site Visits |
|---|---|
| 34,36 | 15 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Electroless Ni, Chromic Acid Etch | Ni,Cr | IPR,IOP,PM,EM,EMD |
| Solvent Cleaning | Trichloroethylene | IOP,IPR,IM,PM,EM,EMD,Sub |
| Evaporation, Electrowinning | Ni,Cu,Cn,Cr | IPR,PM,EM,IM,Oth |

Program Name: **Cleveland Advanced Manufacturing Program (CAMP)**

Address: 4600 Prospect Avenue
Cleveland, Ohio 44103-4314

Contact: Larry Boyd

Phone: 216/432-5350

Fax: 216/432-5314

E-Mail: Larry.Boyd@CAMP.ORG

| **SIC Code** | Site Visits |
|---|---|
| 24, 26 | 2 |
| 27 | 7 |
| 28 | 10 |
| 29 | 1 |
| 30 | 6 |
| 32 | 1 |
| 33 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Printing | Waste Ink, Paper, VOCs | Sub,IOP,IPR,PM |
| Gasket Punch Press | Punchouts | PM,PTM |
| Plastic Resin Formulation | Sludge, Heavy Metals | IC,PM,IPR |
| Mix/ Formulate Powder Product | Powder Emissions | PM,IPR |
| Plastic Extrusion | Dust/Purges | PM,IPR,EM |

**Cleveland Advanced Manufacturing Program**- (Continued)

| **SIC Code** | Site Visits |
|---|---|
| 34 | 34 |
| 35 | 7 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Metal Plating, Metal Finishing | Wastewater | IOP,IPR,Sub,PM,IM |
| Cleaning, Degreasing | Spent Solvents | Sub,IOP,IM,EM,EMD,IOP |
| Machine Shop, Metal Forging | Scrap Metal | IC,PM,IM,EM |
| Painting | Paint Sludge, Filters,VOCs | Sub,IOP,PM,EM |

| **SIC Code** | Site Visits |
|---|---|
| 36 | 9 |
| 37 | 3 |
| 38 | 1 |
| 49 | 1 |
| 86 | 1 |
| 87 | 1 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Manufacturing Lighting Fixtures | Product Rejects, Scraps | IOP |

Program Name: **Colorado Department of Public Health and Environment**
Pollution Prevention Unit

Address: 4300 Cherry Creek Drive South;OE-B2-PPU
Denver, CO 80222-1530

Contact: Parry Burnap

Phone: 303/692-3009

Fax: 303/782-4969

| **SIC Experience** | Site Visits |
|---|---|
| 7538 | 8 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Parts Washing | Stoddard Solvents | Sub,IPR |
| Antifreeze Replacement | Ethylene Glycol | IPR |
| Miscellaneous Cleaning | Chlorinated Solvents | Sub,EM |

Program Name: **Connecticut Department of Environmental Protection**
Bureau of Air Managent

Address: 79 Elm Street
Hartford, CT. 06106-5127

Contact: Tracey Babbidge

Phone: 203/424-3382

Fax: 203/566-6144

| **SIC Experience** | Site Visits |
|---|---|
| 2752,5541,7216 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Spray Coating | VOCs, NOx, Perchloroethylene | IM,IC,Oth |

Program Name: **Connecticut Technical Assistance Program (ConnTAP)**

Address: 50 Columbus Blvd. 4th floor
Hartford, CT 06106

Contact: Rita Lomasney

Phone: 203/241-0777

Fax: 203/244-2017

E-Mail: conntap@aol.com

| **SIC Experience** | Site Visits |
|---|---|
| 2399,24,26,27,30 | 14 |

| *Process* | *Pollutant* | *Techniques* |
|---|---|---|
| Dyeing, Silk Screening | Heavy Metals | NA |
| Cleaning, Refinishing, Repairing | Solvents | NA |
| Coating, Mixing | Mixers, VOCs | NA |
| Engraving, Distillation | Cu,Cr | NA |
| Drying, Absorption, Molding | Solvents | NA |

**Connecticut Technical Assistance Program**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 33,35,36,37,38,39 | 28 | |
| *Process* | *Pollutant* | *Technique* |
| Polishing, Machining, Electrowinning, Drying, Cleaning, Molding, Blasting, Centrifugation | Degreasers, Cleaners, Metals | NA |
| Plating, Mixing, Painting | Polishes, Semi-Aqueous | NA |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 342 | 5 | |
| 344 | 3 | |
| 345 | 3 | |
| 3469 | 3 | |
| 3471 | 13 | |
| 3479 | 5 | |
| 3499 | 6 | |
| *Process* | *Pollutant* | *Technique* |
| Coating, Cleaning | Solvents, Aqueous | NA |
| Cooling, Dialysis | Heavy Metals,VOCs | NA |
| Painting, Plating,Polishing Engraving, Forming, Fastening, Welding | Ni,Cu,Cr,Cd | NA |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 5931,7384,7641,8731,8734 | 11 | |
| *Process* | *Pollutant* | *Technique* |
| Photofinishing, Distillation, Filtration, Cleaning, Plating, Metal Recovery | Ions, Alternatives, Solvents | NA |

Program Name: **Delaware Department of Natural Resources and Environmental Control**
Pollution Prevention Program

Address: P.O. Box 1401, 89 Kings Highway
Dover, DE 19903

Contact: Andrea Farrell

Phone: 302/739-3822

Fax: 302/739-6242

E-Mail: afarrell@dnrec.state.de.us

| **SIC Experience** | Site Visits |
|---|---|
| 20 | 6 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cut-Up Poultry | BOD (Blood and Solvents) | IOP,PM,EM,IM |
| Washing Products (Vegetables) | Dirts, Solids, Wastewater | IPR,IOP,IM,EM |
| Refrigeration, Packaging | Ammonia, Paper, Plastic, Solid Wastes | EMD,IM,IC,IOP |

Program Name: **Eastern Municipal Water District**

Address: P.O. Box 8300
San Jacinto, CA 92581-8300

Contact: Judy Lankey

Phone: 909/928-3777 ext. 326

Fax: 909/928-6177

| **SIC Experience** | Site Visits |
|---|---|
| 3674 | 4 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Glues, Solvent Usage | VOCs | IOP,EM |

| **SIC Experience** | Site Visits |
|---|---|
| 3714 | 1 |
| 7538 | 140 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Metal Bending, Cleaning | Total Petroleum Hydrocarbons | EM,IOP |

Program Name: **Erie County Department of Environment and Planning**
Office of Pollution Prevention

Address: 95 Franklin St. Room 1077
Buffalo, NY 14202

Contact: Tom Hersey

Phone: 716/858-7674

Fax: 716/858-7713

| **SIC Experience** | Site Visits |
|---|---|
| 34 | 60 |
| 75 | 150 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Tooling, Metal Fabrication | Swarf Oils, Coolant Fluid | {All of them} |
| Degreasing, Painting | Solvents, Sludge | {All of them} |
| Washing, Degreasing, Painting, | Solvents, Oil, Grease, Dirt | {All of them} |

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Program Name: **Florida Department of Environmental Protection (DEP)**
Pollution Prevention Program

Address: 2600 Blairstone Road, MS 4570
Tallahassee, Florida 32399-2400

Contact: John Scarboro

Phone: 904/488-0300

Fax: 904/921-8061

E-Mail: scarboro.J@DEP.state.fl.us

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 5 |
| 34 | 10 |
| 36 | 9 |
| 37 | 6 |
| 45 | 10 |
| 75 | 10 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning | Solvents, VOCs | Sub,IPR,IOP,PM,PTM,EM,EMD |
| Painting, Paint Stripping | Paint, VOCs, Methane | Sub,IOP,IC,EM,EMD,PM |
| Plating, Etching | Wastewater, Heavy Metals | Sub,PM,EM,EMD,IPR |
| Fiberglass Reinforced Plastics | VOCs | PTM,PM,EM,EMD |

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Program Name: **Georgia Pollution Prevention Assistance Division**

Address: 7 Martin Luther King Jr. Drive, Suite 450
Atlanta, GA 30334

*Contact:* Bob Donaghue

Phone: 404/651-5120

Fax: 404/651-5130

E-Mail: p2ad@ix.netcom.com

| **SIC Experience** | Site Visits | |
|---|---|---|
| 22,24,26,27,28,30,32,33,36 | 30 | |
| *Process* | *Pollutant* | *Technique* |
| Dyeing, Knitting, Fabric Coating, Cutting/Folding, Wastewater Treatment, Stripping, Phosphatizing, Stamping, Painting, Board Cutting, Water Usage, Process Water Treatment, Waste Accounting, Woodyard Operations, Debarking, Coating, Chip/Plywood Operations, Kraft Process, Pulp Bleaching, Lithography/Flexography, Gravure Printing, Solvent, VOC Recovery | NA | NA |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 34,35,37,45,46,49,87 | 18 | |
| *Process* | *Pollutant* | *Technique* |
| Painting, Stripping, Phosphatizing, Bonding, Coating, Plating, Degreasing, Water Washing, Equipment Cleaning, Machining Operations, Metal Fabrication | Solvents, Parts | NA |

Program Name: **Georgia Technology Research Institute**

Address: 39 O'Keefe Building
Atlanta, GA 30332-0837

Contact: James L. Walsh

Phone: 404/894-3806

Fax: 404/894-2184

E-Mail: jim.walsh@gtri.gatech.edu

**SIC Experience**
20,22,25,26,28

Site Visits
4

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Food Processing, Cutting | Food, Solid Waste | Oth |
| Coating, Printing, Mixing, Cleanup | Haz Wastes, VOCs | IPM,Oth,Sub |

**SIC Experience**
30,32,33,34,35,36,37,38

Site Visits
18

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Miscellaneous Manufacturing, Product Separation | Solid Wastes | Oth,PM |
| Painting, Reactors,Coating,Cleaning | Haz Waste, VOCs | Sub,EM,EMD,IPR |

Program Name: **Illinois Hazardous Waste Research and Information Center (HWRIC)**

Address: 1 East Hazelwood Drive
Champaign, Illinois 61820

Contact: Ken Barnes

Phone: 217/244-9940

Fax: 217/233-8944

E-Mail: kenb@hwric.hazard.uiuc.edu

**SIC Experience**
01

Site Visits
5

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Batch Reactors | Organic Chemicals | PM,PTM |
| Distillation/Particulation | VOCs | PM,PTM,EM |
| Formulation | Surfactants, Dispersers, Pesticides | PtM |

**Illinois Hazardous Waste Research and Information Center**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 13 | NA | |
| *Process* | *Pollutant* | *Technique* |
| Drilling (water and Oil Bases) | Drilling Mud (Organics, Diesel Fuel) | IOP,PM,EM,Sub |
| Fracturing | Acid, Brine, Water | EM,IM |
| Completion, Enhanced Recovery | Poly Aromatic Hydrocarbons, Acid, H2O, Brine | Sub,EM,EMD,PM,IM, IPR |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 15,16,17 | 0 | |
| *Process* | *Pollutant* | *Technique* |
| Building Construction | Construction Materials | IM,PM |
| Painting and Paper Hanging | Construction Materials | Sub,IPR,IOP,PM,PTM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 20 | 10 | |
| *Process* | *Pollutant* | *Technique* |
| Fats and Oil Processing | Oil and Grease | IPR,PM,EM |
| Fish Processing | Brine | IPR,PM,EM |
| Whey Process | Whey | IPR,PM,EM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 27 | 30 | |
| *Process* | *Pollutant* | *Technique* |
| Printing, Make Ready | Ink Containers, Air Emissions | IM,PM,EM,IPR,EMD,Sub |
| Image Processing, Plate Making | Wastewater, Trash | PM,IPR,PTM,IOP,IM,IC |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 28 | 10 | |
| *Process* | *Pollutant* | *Technique* |
| Industrial Organic Chemicals | Process Liquors | Sub,IPR,PM |
| Pharmaceutical Preparation | Spent Natural Products | IOP,PM,EM |
| Chemical Storage Tanks | VOCs | Sub,IPR,PM |
| Manufacturing Operations | Office Specifications | PM,EM,EMD |

**Illinois Hazardous Waste Research and Information Center-** (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 291 | 20 | |
| *Process* | *Pollutant* | *Technique* |
| Coke Ovens, Molten Metals | SOx, NOx, Ash | NA |
| Sulfur Recovery | SOx | NA |
| Alkalinization | Propylene, Butane, HF, Hydrocarbons | NA |
| Reformer, Fluid Catalytic-Cracking Unit | Butane, Toluene, Ethylene, Xylene, Oil, Hydrocarbons, Hazardous Contaminants | NA |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 34 | 50 | |
| *Process* | *Pollutant* | *Technique* |
| Degreasing | VOCs, Sludge | IPR,IOP,PM,EM |
| Electroplating | Spent Process Solutions | IPR,IOP,PM |
| Anodizing | Sludge | IPR,IM,PM |
| Surface Coating | Empty Containers, Overspray | Sub,IOP,IC,PM |
| Alternative Cleaners | Sludge | IPR,IM,PM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3672 | 3 | |
| *Process* | *Pollutant* | *Technique* |
| Board Cleaning | Solvents, Lead | Sub,IPR,PM,PTM,EMD |
| Electroplating | Spent Bathwater | IPR,IOP,PM,EM |
| Etching | Spent Etch, Water | Sub,IPR,IOP,PM |
| Wastewater Treatment | Water Chemicals, Metals | IPR,IOP,PM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3732 | 20 | |
| *Process* | *Pollutant* | *Technique* |
| Fiberglass Repaitr | Resins | IOP |
| Fabrication Spraying | Gel Coat, Resins | IOP,PM,EM |
| Equipment Cleaning | Wastewater | IPR,IOP,PM,EM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 40,41,42 | 20 | |
| *Process* | *Pollutant* | *Technique* |
| Waste Handling | Oil, Solvents, Trash | Sub,IPR,IOP,IM,PM |

**Illinois Hazardous Waste Research and Information Center-** (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 49 | 60 | |
| *Process* | *Pollutant* | *Technique* |
| Wastewater Treatment, Drinking Water, Ozone, Biological Treatment, Precipitation, Flocculation | Sludge | Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 55 | 200 | |
| *Process* | *Pollutant* | *Technique* |
| Oil Recycling | Oil | IPR,IOP |
| Solvent Use | Solvents | Sub,EMD |
| Hazardous Waste Disposal | Metals, Solvents | IM,IC |
| Inventory Management | Paint | IM,IC |
| Battery Management | Lead, Acid | IM,IC |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 5812 | 10 | |
| *Process* | *Pollutant* | *Technique* |
| Grease Traps | Oil and Grease | IPR,IOP,PM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 72 | 50 | |
| *Process* | *Pollutant* | *Technique* |
| Transfer Equipment. Refrigeration | Solvents | Sub,IPR,IOP,EMD |
| Alternative Technology | Wastewater | EM,EMD |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 7384 | 20 | |
| *Process* | *Pollutant* | *Technique* |
| Photo Development | Air Emissions, Aqueous/ Solid Wastes, Expired Chemicals | IPR,IOP,IM,IC PM,EMD,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 80 | 5 | |
| *Process* | *Pollutant* | *Technique* |
| Hospital Operations | Hg, Photo/Miscellaneous Chemicals, Solvents | Sub,IPR,IOP,IM,IC, PM,EM,Oth |

**Illinois Hazardous Waste Research and Information Center**- (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 82 | 20 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Laboratories | Chemical Wastes | Sub,IOP,IC,Oth |
| Shops | Metals, Solvents | Sub,IPR,IC,Oth |
| Arts | Paints, Solvents, Acids | Sub,IPR,IC,Oth |
| Agricultural Facilities | Pesticides, Fertilizers | Sub,IOP,IM,IC,PM,EM,Oth |

| **SIC Experience** | Site Visits |
|---|---|
| 951 | 20 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Wastewater Treatment | Sludge | IOP,IM,IC,Oth |
| Dissolved Air Flotation, Oil/Water Separation | Oil, Grease, Sludge | IPR,IOP,EMD,IM |

Program Name: **Indiana Department of Environmental Management**

Address: 504 N. Broadway, Suite 418
Gary, IN 46402

Contact: Dave Lawrence

Phone: 219/881-6712

Fax: 219/881-6745

E-Mail: dlawr@oph.dem.state.iu.us

| **SIC Experience** | Site Visits |
|---|---|
| 8021 | 5 |

Information on Processes, Pollutants, and Techniques is not available.

**Indiana Department of Environmental Management-** (Continued)

| | |
|---|---|
| Address: | 100 North Senate Avenue<br>PO Box 6015<br>Indianapolis, IN 46206-6015 |
| Contact: | Tom Neltner |
| Phone: | 317/233-1042 |
| Fax: | 317/233-5627 |
| *E-Mail:* | then@oph.dem.state.in.us |

| **SIC Experience** | Site Visits |
|---|---|
| 2851 | 0 |
| 33 | 8 |
| 3479 | 6 |
| 7216 | 0 |

Information on Processes, Pollutants, and Techniques is not available.

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| | |
|---|---|
| Program Name: | **Indiana Pollution Prevention Institute** |
| Address: | 1291 Cumberland Ave. Suite C1<br>West Lafayette, IN 47906-1385 |
| *Contact:* | James Noonan |
| Phone: | 317/494-6450 |
| Fax: | 317/494-6422 |
| E-Mail: | noonan@ce.ecn.purdue.edu |

| **SIC Experience** | Site Visits |
|---|---|
| 2511 | 12 |
| 2519 | 12 |
| 2521 | 12 |
| 2522 | 12 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Finish Line, Cleaning Systems | Xylene, Toluene, Methanol, MEK, Methyl Isobutyl Ketone | Sub,IOP,EMD |

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**Indiana Pollution Prevention Institute**- (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 3061 | 3 |
| 3083 | 10 |
| 3087 | 4 |
| 3089 | 3 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Extrusion, Compression, Molding | Dibutyl Phthalate, Zinc Compounds, Stearates, Phthalic Anhydride | PM,EMD,IOP |
| Gel Coat Cleaning, Compounding | Acetone | Sub |
| Open Mold Fiberglass | Styrene | IOP,PM,EMD |
| Injection Molding | Methylene Chloride | Sub |

| **SIC Experience** | Site Visits |
|---|---|
| 3321 | 12 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Binder Operations | Methyl Chloroform | Sub,EMD |
| Core Sand | Formaldehyde, Phenol | |

| **SIC Experience** | Site Visits |
|---|---|
| 3674 | 5 |
| 3679 | 3 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Vapor Degreasing, Flux Cleaning, Hot Bar Soldering, Vapor Phase Reflow | CFCs | Sub,PTM,PM,EM,EMD |
| Metal Painting | Xylene, Toluene, MEK | Sub |

| **SIC Experience** | Site Visits |
|---|---|
| 3711 | 6 |
| 3714 | 6 |
| 3716 | 10 |
| 3792 | 10 |
| 3995 | 3 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Weather Sealing, Under Coating | Xylene, MEK, Toluene | Sub |
| Vapor Degreasing, Machining Fluids | Petroleum Distillates | IM |
| Side Panel Gluing | Toluene, MEK, Acetone, Cyclohexane | Sub,PM |
| Weather Sealing | Xylene | Sub |
| Open Mold Fiberglass | Styrene | PTM,EM,IOP |
| Quality Control Cleaning | MEK, Mineral Spirits, Petroleum Distillates | EM |

Program Name: **Institute of Advanced Manufacturing Sciences (IAMS)**

Address: 1111 Edison Drive
Cincinnati, OH 45216

Contact: Sally Clement

Phone: 513/948-2036

Fax: 513/948-2109

E-Mail: clement@iams.org

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 4 |
| 28 | 8 |
| 33 | 4 |
| 34 | 11 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Lithography | VOCs | PM,IOP |
| Foundry Sand, Machining | Oils, Coolants, Metals | Sub,IOP,IM |
| Mixing | Solvents | Sub,PM,IPR,EMD |

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Program Name: **Iowa Department of Natural Resources**
Waste Management Assistance Division

Address: Wallace State Office Building
Des Moines, IA 50319-0034

Contact: Larry Gibson

Phone: 515/281-8927

Fax: 515/281-8895

| **SIC Experience** | Site Visits |
|---|---|
| 20 | 6 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Wastewater Pretreatment | BOD | IOP,IM,PM,EM,EMD,Oth |
| Receiving/Shipping | Cardboard | IM,IPR,IOP |
| Utilities/Refrigeration | Energy | IOP,IM,PM |

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**Iowa Department of Natural Resources**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3275 | 0 | |
| *Process* | *Pollutant* | *Technique* |
| Gypsum Board Manufacturing | Gypsum, Paper | IPR |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 33 | 10 | |
| *Process* | *Pollutant* | *Technique* |
| Process and Pollution Control | Wastewater | IPR,PM,IM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 34,35,37 | 0 | |
| *Process* | *Pollutant* | *Technique* |
| Painting | VOCs | IOP,PM,PTM,IPR, EM,EMD,Sub |

Program Name: **Iowa Waste Reduction Center**
University of Northern Iowa

Address: MSH 2244
Cedar Falls, IA 50614-0421

Contact: Catherine Zeman

Phone: 319/273-7090

Fax: 319/273-5815

E-Mail: czeman@uni.sci.edu

| **SIC Experience** | Site Visits | |
|---|---|---|
| 01,02,07 | 16 | |
| *Process* | *Pollutant* | *Technique* |
| Agricultural Harvest | Agricultural Wastes (Fodder, Straw) | IPR |
| Pest/Weed Control | Pesticides | IOP,Sub |
| Farm Machinery Maintenance | Solvents, Spent Engine Fluids (Oil, Antifreeze) | IM,IPR,IOP,EM |

**Iowa Waste Reduction Center**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 20 | 9 | |
| *Process* | *Pollutant* | *Technique* |
| Product Processing | Wastewater, Food By-products | Sub,IPR,IOP,PM,EM,EMD |
| Shipping | Container Wastes | IPR,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 24,25 | 14 | |
| *Process* | *Pollutant* | *Technique* |
| Cutting, Sizing Lumber | Sawdust, Scrap Wood | IPR,IOP,PM,PTM,EM,EMD |
| Production, Surface Coating | Solvents, Varnish, Paints | SUB,IPR,IOP,EMD |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 27 | 36 | |
| *Process* | *Pollutant* | *Technique* |
| Make Ready | VOCs, Paper, Ink, Solvents | Sub,IPR,IOP,IM,PM |
| Press Cleaning | Solvents, Inks, Wipes | Sub,IPR,IOP,PM |
| Pre-Press | Washwater, Ag (Spent Chemistry) | IC,EM,PM,IPR,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 30 | 18 | |
| *Process* | *Pollutant* | *Technique* |
| Extruding, Injection Molding | Scrap, Wastewater | Sub,IPR,IM,PM,EM |
| Recycling | Scraps, Recyclables | IPR,IM,PM,EM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 33 | 6 | |
| *Process* | *Pollutant* | *Technique* |
| Smelting, Refining | Metal Bearing Wastes, Slag | IPR,PM,EM,EMD |
| Forming, Rolling, Cutting | Foundry Sand, Oils, Solvents, Fluids | Sub,IPR,IOP,PM,EM,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 33,5093 | 10 | |
| *Process* | *Pollutant* | *Technique* |
| Salvage Yards | Stormwater | IOP,IM |

**Iowa Waste Reduction Center**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 34 | 84 | |
| *Process* | *Pollutant* | *Technique* |
| Metal Forming/Fabrication | Scraps, Cutting Fluids, Solvents,Oils | Sub,IPR,IOP,PM,EMD,Oth |
| Surface Finishing/Coating | Filters, Paint Waste, VOCs, Overspray | Sub,IPR,IOP,EM,EM,Oth |
| Machining | Coolants, Scraps, Fumes | Sub,IPR,IOP,PM,EM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3523,5083,7699 | 26 | |
| *Process* | *Pollutant* | *Technique* |
| Fabrication, Assembly | Cutting Fluids, Scrap Metals, Solvents, Paints,VOCs | Sub,IPR,IOP,PM,EM,Oth |
| Scheduled Maintenance | Solvents, Engine Fluids | Sub,IPR,IOP,PM,EM,Oth |
| Parts Repair/Replacement | Used Parts, Solvents | Sub,IPR,IOP,PM.EM,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 36 | 6 | |
| *Process* | *Pollutant* | *Technique* |
| Parts Assembly, Cleaning | Solvents, Metals (with Wastes) | Sub,IPR,IOP,PM,PTM,EM |
| Shipping, Receiving | Old Corrugated Containers, Packaging | IPR,IOP,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 39 | 37 | |
| *Process* | *Pollutant* | *Technique* |
| Surface Coating | Filters, Strippers, Solvents, Paints, Overspray, VOCs | Sub,IOP,IPR,IC,PM,EM |
| Electroplating | Acids, Spent Baths, Wastewater | Sub,IOP,IPR,IC,PM,EM |
| Fabrication | Fires, Scraps, Rejects, Cutting Fluids | Sub,IPR,IOP,IM,PM |
| Sizing | Scrap Metal, Wood | PM,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 55 | 35 | |
| *Process* | *Pollutant* | *Technique* |
| Vehicle Maintenance | Spent Engine Fluids (Oil, Antifreeze) | Sub,IPR,IOP,IC,PM,PTM,EM,EMD |
| Parts Replacement | Used Parts | EM,IOP,Oth |
| Collision Repairs | Strippers, Solvents, Paints | IOP,IPR,Sub,EM,EMD |

**Iowa Waste Reduction Center**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 52,53,54,56,57,58,59 | 4 | |
| *Process* | *Pollutant* | *Technique* |
| Packaging, Distributing | Common Solid Wastes | IPR,IOP,IC,PM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 75 | 126 | |
| *Process* | *Pollutant* | *Technique* |
| Routine Service | Solvents, Oil/ Transmission/ Engine Fluids | Sub,IPR,IOP,IM,PM,PTM,EM,EMD |
| Repair Service | Used Parts, Spent Batteries | IOP,EMD,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 80 | 26 | |
| *Process* | *Pollutant* | *Technique* |
| Patient Care | Bio-Hazardous Wastes, IV Tubing, Bottles,VOCs | IOP,IC,Oth |
| Vehicle Maintenance/Grounds | Engine Fluids, Solvents | Sub,IPR,IOP,IM,EMD |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 82 | 23 | |
| *Process* | *Pollutant* | *Technique* |
| Laboratory Research | Spent Reactants, | |
| Vehicle Maintenance/ | Unused Reagents | NA |
| Physical Plant | Solvents, Engine Fluids | NA |
| Recovery/Mail Room | Old Corrugated Containers | NA |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 70,71,72,73,74,76,77,78,79, 81,83,84,85,86,87,88,89 | 33 | |
| *Process* | *Pollutant* | *Technique* |
| Office Processes | Paper Waste, Recyclables | IPR,IOP,IC,PM |
| Packaging, Distribution | Old Corrugated Containers | IPR,IOP,IC,PM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 91,92,93,94,95,96,97 | 7 | |
| *Process* | *Pollutant* | *Technique* |
| Office Work | Paper, Recyclables | IPR,Sub,Oth |
| Vehicle/Fleet Maintenance | Solvents, Engine Fluids | Sub,IPR,IOP,IM,IC,PM,EMD |

Program Name: **Kansas State University**
Pollution Prevention Institute

Address: 133 Ward Hall
Manhattan, KS 66506

Contact: Sherry Davis

Phone: 913/532-6501

Fax: 913/532-6952

E-Mail: sdavis.ksuvm.oznet.ksu.edu

| **SIC Experience** | Site Visits |
|---|---|
| 25,27,32,33,34,35,37 | 55 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Painting, Plating, Metal Finishing | Paints, Solvents | IOP,EMD,PM,Sub |

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Program Name: **Kentucky Partners, State P2 Center**
University of Louisville

Address: Room 312 Ernst Hall,
Louisville, KY 40292

Contact: Cam Metcalf

Phone: 502/852-7260

Fax: 502/852-0964

E-Mail: jcmetc01@ulkyvm.louisville.edu

| **SIC Experience** | Site Visits |
|---|---|
| 1623,2064,2068,2296,2321,2541,2679, 2752,2819,2851,3231,3444,3471,3674 | 40 |

| Process | *Pollutant* | *Technique* |
|---|---|---|
| Aluminum Draus, Painting | Paints, Aluminum | PM,PTM,Sub |
| Plating, Cleaning, Manufacturing | Solvents, RCRA Wastes | PM,PTM,Sub |

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Program Name: **Lincoln/Lancaster County Health Department**
Environmental Health Division

Address: 3140 N Street
Lincoln, NE 68510

Contact: Richard Yoder

Phone: 402/441-8040

Fax: 402/441-8323

E-Mail: eh53030@altec.net

| **SIC Experience** | Site Visits | |
|---|---|---|
| 75 | 8 | |
| c | | |
| *Process* | *Pollutant* | *Technique* |
| Parts Cleaning | Chlorinated/ Petroleum Solvents | Sub |
| Paint Application | RCRA Metals, VOCs | IOP,EMD |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 80 | 5 | |
| 27 | 6 | |
| *Process* | *Pollutant* | *Technique* |
| Photographic Processing, Cleansing | RCRA Metals, Solvents, Inks | IOP,EM,IPR,Sub |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 88 | 0 | |
| *Process* | *Pollutant* | *Technique* |
| Household Use, Non-Point Source | RCRA Metals, VOCs, Pesticides | Sub,IOP |

**This space for Divine Intervention-** *Practice Pollution Prevention*

Program Name: **Lower Colorado River Authority (LCRA)**

Address: 3701 Lake Austin Blvd.
Austin, TX 78703

Contact: Mark Johnson

Phone: 512/473-3333 x2868

Fax: 512/473-4066

| **SIC Experience** | Site Visits |
|---|---|
| 4931 | 55 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Fuel Combustion | Co-combustion Byproducts CO2,SOx,NOx,VOCs | EMD,EM,PM,IOP |
| Equipment Maintenance | Solvents, Waste Oils | Sub,IOP,IC,IM,IOP,PM |
| Painting | Solvents, Waste Paints | EM,IOP |
| Fleet/Vehicle Maintenance | Waste Oils, Solvents | Sub,IC,IM,IOP |

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Program Name: **Maine Metal Products Association**
ECM Project

Address: 190 Riverside Street
Portland, ME 04103

Contact: Stanley Eller

Phone: 207/871-8254

Fax: 207/780-1547

E-Mail: marienti@saturn.caps.maine.edu

| **SIC Experience** | Site Visits |
|---|---|
| 34,35,37 | 20 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Electroplating | Metals | PM,Sub,IPR,IOP |
| Machining | Waste Oils | PM,Sub,IPR |
| Cleaning, Degreasing | Solvents | PM,Sub,IOP |
| Painting | VOCs, Solvents | PM,EM,IOP |

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Program Name: **Massachusetts Office of Technical Assistance**
Executive Office of Environmental Affairs

Address: 100 Cambridge Street, Suite 2109
Boston, MA 02202

Contact: William McGowan

Phone: 617/727-3260

Fax: 617/727-3827

| **SIC Experience** | Site Visits |
|---|---|
| 22 | 10 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Coating Applications | VOCs | Sub |
| Dyeing | VOCs, Metals | Sub,EM |
| Recycling | Acid | IPR,EM |
| Cleaning, Mixing Dyes | Dyes, Metals, Colors | IOP |
| Dyeing Operations | Water | Oth |

| **SIC Experience** | Site Visits |
|---|---|
| 26 | 15 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning Rollers | MEK | Sub,IOP,PM |
| Pulping | Sulfuric Acid | Sub |
| Bleaching | Sodium Hypochlorite | Sub |
| Printing | Cu and Bis(2-ethylhexyl) Phosphalate | Sub,PM |
| Paper Making | Formaldehyde | Sub,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 14 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Offset Lithography | Wastewater Inks, Fountain Solutions, Blanket Press Wash | Sub,IOP,IC,PM,IM,EM,Oth |
| Flexography | Press Wash, Inks (Solvent-based) | Sub,IOP |
| Screen Printing, Gravure | Inks, Press Wash, Screen Cleaners | Sub,IOP |
| Letter Press | Inks, Plate Etch, Lead | Sub,IOP,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 28 | 25 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Filling, Mixing, Dispersing, Cleaning, Unloading | VOCs, Dust, Liquid Waste | IOP,IC |

**Massachusetts Office of Technical Assistance**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 30 | 18 | |
| *Process* | *Pollutant* | *Technique* |
| Cleaning, Degreasing | Halogenated Solvents | Sub |
| Finishing (Parts) | VOCs, Unused Paint | IOP,SUB,EM |
| Bonding | VOCs, Waste Adhesives | IM,PM |
| Molding (Rim), Foaming | HAPs, Auxiliary-Blowing Agents | Sub,EMD |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 34 | 48 | |
| *Process* | *Pollutant* | *Technique* |
| Parts Cleaning | Chlorinated Solvents | Sub,Oth |
| Waste Management, TURA | Oils, Coolants, VOCs | Sub,Oth |
| Tumbling, Plating | Metals, Media | IPR,IOP,PM |
| Spray Booth | VOCs | EMD,Sub,IOP |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 35 | 17 | |
| *Process* | *Pollutant* | *Technique* |
| Degreasing, Machining, Painting | VOCs, Oil | Sub,IM,EM,IPR,IOP,EMD |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 36 | 25 | |
| *Process* | *Pollutant* | *Technique* |
| Printed Circuit Boards, Electroless Cu | Cu | PM |
| Soldering | Pb | Sub |
| Cleaning, (pH) Treatment | Sulfuric Acid | PM,IOP |
| Etching | NH3 | PM,IOP |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 39 | 18 | |
| *Process* | *Pollutant* | *Technique* |
| Vapor Degreasing | Tri/Per- Chloroethylene | Sub,PM |
| Annealing | NH3 | EM,PM |
| Stamping | Cu | PM,EMD |
| Etching | Ferric Chloride | IM |
| Epoxyl Cleaning | Methylene Chloride | Sub |

**Massachusetts Office of Technical Assistance-** (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 80 | 13 | |
| *Process* | *Pollutant* | *Technique* |
| Radiology | Ag | IPR |
| General | Hg | IM,EM,Sub |
| Pathology | Formaldehyde, Xylene | Sub,IOP |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 92 | 11 | |
| *Process* | *Pollutant* | *Technique* |
| Vehicle Maintenance, Services | Waste Oil, Antifreeze | IPR,IOP |
| Photography, X-Rays | Ag | EMD,IM,PM |
| Painting | VOCs | Sub,IC |

Program Name: **Massachusetts Toxics Use Reduction Institute (TURI)**
University of Massachusetts @ Lowell

Address: 1 University Avenue
Lowell, Massachusetts 01854-2881

Contact: Ken Geiser

Phone: 508/934-3275

Fax: 508/934-3050

E-Mail: clarkjan@turi5,ultranet.com

| **SIC Experience** | Site Visits | |
|---|---|---|
| 27,34 | NA | |
| *Process* | *Pollutant* | *Technique* |
| Blanket Wash Chemistry | NA | Sub |
| Parts Cleaning | NA | Sub,IOP,IM,PM,EM |
| Non-Cyanide Plating | NA | Sub,PM,PTM |
| Bath Life Extensions | NA | IPR |

Program Name: **Metropolitan Washington Council of Governments**
Department of Environmental Programs

Address: 777 North Capitol St., NE Suite 300
Washington, DC 20002-4226

Contact: George Nichols

Phone: 202/962-3355

Fax: 202/962-3201

| **SIC Experience** | Site Visits |
|---|---|
| 55,75 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Vehicle Maintenance | Pb, Heavy Metals, Hydrocarbons | IOP,IM,Oth |

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Program Name: **Michigan Department of Environmental Quality**
Environmental Assistance Division

Address: P.O. Box 30457
Lansing, MI 48909

Contact: Karl Zollner

Phone: 517/335-7310

Fax: 517/335-4729

| **SIC Experience** | Site Visits |
|---|---|
| 3471 | 30 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning, Etching, Plating, Coating | Cyanides, Organics | Sub,IPR,IM,PM,EM,EMD |
| Metal Recovery | Heavy Metals | IPR,PM,EM |
| Treatment | Organics/Inorganics, Metals | IOP,IM,PM |
| Rinse Systems (Water Conservation) | NA | IPR,PM,EM |

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| **SIC Experience** | Site Visits |
|---|---|
| 4783 | 15 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Packaging | Packaging Materials | Sub,PTM |

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**Michigan Department of Environmental Quality-** (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 8062 | 21 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Measuring Instruments | Hg | Sub,IOP,IM |
| Lab Testing (Tissue) | Xylene | Sub,IPR |
| Batteries | Hg, Cd | Sub,IC,PTM |
| Medical Waste | Regulated Medical Wastes | IOP,IM |
| Dental | Ag, Hg, Amalgam | Sub,IOP,EM |

Program Name: **Minnesota Technical Assistance Program (MNTAP)**

Address: 1313 Fifth Street; Suite 207
Minneapolis, MN 55414

Contact: Cindy McComas

Phone: 612/627-4555

Fax: 612/627-4769

E-Mail: mccom003Amaroon.tc.umn.edu

| **SIC Experience** | Site Visits |
|---|---|
| 1721 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning | Solvents, Rags, Wipes | IPR,IOP,IM |
| Painting | Wastewater, Paint, Solid Waste | IOP,IM,IC |

| **SIC Experience** | Site Visits |
|---|---|
| 24,25 | 7 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning | Petroleum Solvents, Wastewater, Corrosives | Sub,IOP,IM,PM,EMD |
| Coating | Waste Coatings, Filters, Wastewater | Sub,IPR,IOP,IM,IC, PM,EM,EMD |

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 12 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning, Inventory | Solvents, Inks | PM,PTM,EM,IOP,IC |

**Minnesota Technical Assistance Program**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 30 | 28 | |
| *Process* | *Pollutant* | *Technique* |
| Fiber Reinforced Plastics | Solids, Dust, Styrene, Acetone | Sub,IPR,EMD,PM,IM |
| **SIC Experience** | Site Visits | |
| 35 | NA | |
| *Process* | *Pollutant* | *Technique* |
| Painting | Solvents | IOP,EM,Sub,PM |
| **SIC Experience** | Site Visits | |
| 36,39 | 77+ | |
| *Process* | *Pollutant* | *Technique* |
| Plating, Printed Circuits, Electronic Assembly | Acids, Solvents | Sub,IOP,PM,IPR,EM,IM |
| Cleaning, Rinsing, Drying, Conversion Coating | Solvents, Oils, Metals, Filters | Sub,IPR,IOP,IM,PM,PTM,EM |
| Painting | Waste Paint, Filters, Wastewater | Sub,IOP,IM,IC,PM,EMD |
| Stripping, Cleaning | Petroleum Solvents, Corrosives, Abrasives | Sub,EMD,IC,IOP,IM, IPR,PM,PTM |
| **SIC Experience** | Site Visits | |
| 50,51 | 6 | |
| *Process* | *Pollutant* | *Technique* |
| All Processes | Solid Wastes | IC,PM,PTM,Oth |
| **SIC Experience** | Site Visits | |
| 7314 | 5 | |
| *Process* | *Pollutant* | *Technique* |
| Dry Cleaning Equipment | Perchloroethylene | IOP,IM,EM |
| **SIC Experience** | Site Visits | |
| 75 | 17 | |
| *Process* | *Pollutant* | *Technique* |
| Maintenance | Used Oil, Filters, Vehicle Fluids, Spent Accessories | IPR,IOP,IM,IC,PM |
| Painting, Cleaning | Waste Paint, Thinners, Petroleum Solvents, Aqueous Cleaners | Sub,IPR,IOP,IM,IC,PTM,EMD |

Program Name: **Missouri Department of Natural Resources**

Address: PO Box 176
Jefferson City, MO 65102

Contact: Becky Shannon

Phone: 314/526-6627 or 800/361-4827

Fax: 314/526-5808

| **SIC Experience** | Site Visits |
|---|---|
| 07,287,5191 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Fertilizer/Pesticide Service Mixing, Application | Pesticides, Fertilizers | IOP,IPR,IM,IC,EM,PM |

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Program Name: **Montana Small Business Assistance Program**

Address: P.O. Box 200501
Helena, MT 59620-0501

Contact: Mark Lambrecht

Phone: 406/444-2960

Fax: 406/444-1872

| **SIC Experience** | Site Visits |
|---|---|
| 1081 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Hard Rock Mining | Particulate Matter | IOP,IM,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 2434 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Wood Furniture Manufacturing | VOCs | Sub,IOP,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 3341 | 0 |
| 3531 | 20 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Asphalt Production | VOCs,NOx,CO | IOP,PM,EM,EMD |
| Aluminum Production | Particulate Matter | |
| | Flourides | IOP,IM,PM |

**Montana Small Business Assistance Program**- (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 7216 | 25 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Dry Cleaning | Perchloroethylene | Sub,IOP,IM,PM,EM,EMD |

Program Name: **Montana State University Extension Service**
Montana P2 Program

Address: MSU Extension Service; 109 Taylor Hall
Bozeman, MT 59717

Contact: Michael Vogel

Phone: 406/994-3451

Fax: 406/994-5417

| **SIC Experience** | Site Visits |
|---|---|
| 0191,0291<br>7532,7538,7542 | 24 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| NA | Chemical Wastes,<br>Solid Wastes | Sub,IPR,IOP,IM,EM,EMD,PM,PTM |

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Fountain Solutions | Isopropyl Alcohol | Sub,PTM,PM |
| Blanket Washes | VOLs | Sub,PM,PTM |
| Photo Development | Ag | IPR,EM |
| Plate Making | Acids, Alkalis | PM,PTM,EM |
| Printing | Waste Ink, Rags,<br>Used Plates | PM,PTM,IM,IC,Sub |

| **SIC Experience** | Site Visits |
|---|---|
| 70 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| NA | Solid Waste | Sub,IPR,IOP |
| Energy/Water Conservation | NA | IOP,Sub |
| NA | Hazardous Materials | Sub,IOP,IM,IC |

**Montana State University Extension Service-** (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 72 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Drying | Separator Water | EMD,IM,EM,IPR |
| Refrigeration | VOCs, Air Emissions | EMD,IM,IPR |
| Distillation | Sludge | EMD,IM,IPR,EM |
| Filtration | Powder | EMD,EM,IPR,IM |

Program Name: **Nevada County Hazardous Waste Task Force**

Address: 950 Maidu Avenue
Nevada City, CA 95959

Contact: Daryl Kent

Phone: 916/265-1768

Fax: 916/265-7056

| **SIC Experience** | Site Visits |
|---|---|
| 27,75 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Household Wastes | Common Household Chemicals | Sub |
| Used Oil Recycling | Oil, Heavy Metals | IPR,PM |
| Small Quantity Generators | Oil/Oil Filters | IPR,EM |

Program Name: **Nevada Small Business Development Center**
University of Nevada-Reno

Address: College of Business Administration- MS 032
Reno, NV 89557-0100

Contact: Kevin Dick

Phone: 702/784-1717

Fax: 702/784-1395

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 9 |
| 7384 | 5 |
| 80 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Photoprocessing, Labs | Fixers, Developers, Rinsewater, Lab Chemicals, Ag | IOP,IC,IM,EM,IPR,Sub |
| Screen, Press Cleaning | Inks, Cleaning Solvents, Blanketwash | Sub,IOP,IPR,PM,EM |
| Printing | Fountain Solution | Sub |
| Photoprocessing | Fixers, Developers, Rinsewater | IM,IC,EM,EMD |

| **SIC Experience** | Site Visits |
|---|---|
| 41 | 2 |
| 75 | 24 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Parts Cleaning | Solvents | Sub,IPR,IOP,IC,EM,EMD |
| Boil Out Tanks | Wastewater | IPR |
| Fluid Changing | Antifreeze, Freons | IPR |
| Painting | Paints, Solvents, Paint Booth Filters | Sub,IPR,IOP,IC,EMD |

| **SIC Experience** | Site Visits |
|---|---|
| 30 | 5 |
| 34 | 26 |
| 36 | 2 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Cleaning, Degreasing | Solvents, Washwater | Sub,IPR,IC,PM |
| Painting, Coloring | Paints, Solvents, Paint Booth Filters | Sub,IOP,IPR,IC,PM,EM |
| Machining, Stamping, Parts Tooling | Cooling, Cutting Oils | Sub,IPR,IOP,IC,PM,EMD |
| Extrusion and Injection Molding | Oils | IPR,IM |
| Equipment Maintenance | Solvents | Sub,IPR,IC |

**Nevada Small Business Development Center**- (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 7216 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Dry Cleaning | Perchloroethylene, Filter Cartridges, Spin Diskettes, Lint | IPR,IOP,IM,EM,EMD |

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Program Name: **New Hampshire Department of Environmental Services**
Pollution Prevention Division

Address: 6 Hazen Drive
Concord, NH 03301-6509

Contact: Vincent R. Perelli

Phone: 603/271-2902

Fax: 603/271-2456

E-Mail: des_vp@granite.mv.net

| **SIC Experience** | Site Visits |
|---|---|
| 27,33,34,35,36,75 | 40 |

Information on Processes, Pollutants, and Techniques is not available.

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Program Name: **New Jersey Department of Environmental Protection**
Office of Pollution Prevention

Address: CN423; 401 East State Street
Trenton, NJ 08625

Contact: Jeanne Herb

Phone: 609/777-0518

Fax: 609/777-1330

E-Mail: jherb@dep.state.nj.us

| **SIC Experience** | Site Visits |
|---|---|
| 26,28,30,33,34 | 0 |

Information on Processes, Pollutants, and Techniques is not available.

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Program Name: **New Jersey Technical Assistance Program (NJTAP)**
New Jersey Institute of Technology

Address: 323 MLK Jr. Drive; ATC Building
Newark, NJ 07102

Contact: Dr. Marcus Healy

Phone: 201/596-5864

Fax: 201/596-6367

E-Mail: healy@hertz.njit.edu

| **SIC Experience** | Site Visits |
|---|---|
| 34 | 40 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Metal Degreasing, Working, Plating, Painting | Oils, Paints, Metals, Solvents | Sub,IOP,PM |

Program Name: **New Mexico State University**
Waste-Management Education and Research Consortium

Address: PO Box 30001, Dept. WERC
Las Cruces, NM 88003-8001

Contact: Dr. Ron Bhada

Phone: 505/646-1510

Fax: 505/646-4149

E-Mail: werc@nmsu.edu

| **SIC Experience** | Site Visits |
|---|---|
| 9511 | 50 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Groundwater Contamination | Varied | PM |
| Nuclear Waste, Solid Waste Disposal | Radioactive, Haz/Mixed Wastes | PM,Sub,Oth |

Program Name: **New York State Department of Environmental Conservation**
Pollution Prevention Unit

Address: 50 Wolf Rd
Albany, NY 12233-8010

Contact: William F. Eberle

Phone: 518/457-2480

Fax: 518/457-2570

E-Mail: william.eberle@dec.mailnet.state.ny.us

| **SIC Experience** | Site Visits |
|---|---|
| 20,25,26,28,33,35,36,37 | 225 |

Information on Processes, Pollutants, and Techniques is not available.

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Program Name: **North Carolina Department of Environment, Health, and Natural Resources**
Office of Waste Reduction

Address: 3825 Barrett Drive
Raleigh, NC 27609

Contact: Gary Hunt

Phone: 919/571-4100

Fax: 919/571-4135

E-Mail: gary@owr@hnr.state.nc.us

| **SIC Experience** | Site Visits |
|---|---|
| 20 | 14 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Clean-up/Sanitation | BOD, Water, Solid Waste | IOP,IM,PM,EMD,IPM,Oth |
| Cooking/Baking | Water, Energy, BOD | IOP,IM,Oth |
| Material Handling | Solid Waste, Water, BOD | IOP,IM,PM,EM,EMD,Oth |

**North Carolina Department of Environment, Health, and Natural Resources**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 22 | 47 | |
| *Process* | *Pollutant* | *Technique* |
| Dyeing, Finishing, Printing | Dyes, Inks, BOD, COD, Metals, H2O | Sub,IPR,IOP,IM,IC,PM,EMD,Oth |
| Bleaching, Scouring | BOD,COD, H2O, pH | Sub,IPR,IOP,IM,PM,EMD,Oth |
| Knitting, Weaving | Solid Waste | IPR,IOP,IM,IC,EM,EMD,Oth |
| Printing | Inks, BOD, COD | Sub,IPR,IOP,IC,PM,EM,EMD,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 25 | 6 | |
| *Process* | *Pollutant* | *Technique* |
| Finishing, Cutting, Sanding | Solid, Haz Waste, BOD,COD, Solvents | Sub,IPR,IOP,IM,IC,PM,EM,EMD,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 34 | 15 | |
| *Process* | *Pollutant* | *Technique* |
| Plating | Metals,H2O, Haz Waste | Sub,IPR,IOP,IM,PM,EM,EMD,Oth |
| Machining | Oils,BOD,COD,H2O, Solid Waste | Sub,IPR,IOP,IM,IC,PM,EM,EMD,Oth |
| Painting | Solvents, Paint Waste Filters | Sub,IPR,IOP,IM,IC,PM,EM,EMD,Oth |
| Cleaning | Solvents, Haz Waste, BOD,COD,H2O, Oils | Sub,IPR,IOP,IM,IC,PM,EM,EMD,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3732 | 4 | |
| *Process* | *Pollutant* | *Technique* |
| Fiberglass Molding, Painting | Solvents, Solid, Haz Waste | Sub,IOP,IPR,IM,IC,PM,EM,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 80 | 5 | |
| *Process* | *Pollutant* | *Technique* |
| NA | Solid, Hazardous, Medical Wastes | IOP,IM,IC,EM,Oth |

Program Name: **Ohio Environmental Protection Agency**
Pollution Prevention Section

Address: P.O. Box 1049
Columbus, OH 43216-1049

Contact: Anthony Sasson

Phone: 614/644-2810

Fax: 614/728-1245

E-Mail: anthony_sasson@central.epa.ohio.gov

| **SIC Experience** | Site Visits |
|---|---|
| 20 | 2 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Pasta Cooking/Preparing | BOD, Oil, Grease | IOP,PM,EM,EMD |
| Meat Packing, Curing | BOD,COD,NH3 | |
| | Total Kieldahl Nitrogen | IOP.EM |

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 5 |

| *Process* | *Pollutant* | *Techniques* |
|---|---|---|
| Printing | Ink- Wastes, Containers, Solvents, Fountain Solutions, Isopropyl Alcohol, Waste Paper | NA |
| Blanket Washes | Solvents, Used Rags | NA |
| Equipment Maintenances | Oils, Ink Waste, Solvents, Cleaning Solvents | NA |
| Plate Making | Acids, Solvents, Plate Coatings, Plates, Rinsewater | NA |
| Image Processing | Photographic Chemicals, Aq. Used Films | NA |

| **SIC Experience** | Site Visits |
|---|---|
| 34 | 6 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Metal Cleaning | VOC, Solvents, Wastewater, Sludge | Sub,IOP,IM,PM,EM,EMD,IPR |
| Painting | Scraps, Paint Sludge, Filters, Wastewater | Sub,IOP,IM,IC,PM,PTM,EM |
| Electroplating | Sludge, Wastewater, Wire, Scraps | Sub,IPR,IOP,IM,PM,EM,EMD |

Program Name: **Orange County Environmental Health**

Address: 2009 East Edinger
Santa Ana, CA 92705

Contact: Pearl Hoflezer/Peter Johnson

Phone: 714/667-3629 x3709

Fax: 714/972-0749

| **SIC Experience** | Site Visits |
|---|---|
| 27,28,34,72,75 | 30 |

Information on Processes, Pollutants, and Techniques is not available.

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Program Name: **Pennsylvania Technical Assistance Program (PennTAP)**
Penn State University

Address: 117 Technology Center Building
University Park, PA 16802

Contact: Jack Gido

Phone: 814/865-0427

Fax: 814/865-5909

E-Mail: jag15@psuvm.psu.edu

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 16 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Printing | Organic Inks | Sub,IPR,IOP,IM,IC,PM,EM |
| Film Developing | Ag | Sub,IPR,IOP,PM,EM,EMD |
| Cleaning | Organic Contaminants | Sub,IOP,IM,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 33 | 1 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Sand Casting | Metal Alloys, Organic Binders | Sub,IPR,IOP,PM |

**Pennsylvania Technical Assistance Program** (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 34 | 10 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Electroplating | Ni,Cu,Cr,Fe,Ag | Sub,IPR,IOP,IM,IC,PM,EMD |
| Car Manufacturing | Ni,Cu,Cr,Zn,Fe | IPR,IOP,IM,IC,PM,PTM,EM,EMD |
| Coating | VOCs | Sub,IPR,IOP,PM,EM,EMD |
| Surface Preparation | VOCs, Heavy Metals | Sub,IPR,IOP,PM,EM,EMD |
| Grinding, Cutting | Coolants | IPR,IOP,IM,PM,EM,EMD,Oth |

Program Name: **Pollution Prevention Research Center**
NC State University

Address: PO Box 7905
Raleigh, NC 27695-7905

Contact: Michael Overcash

Phone: 919/515-2325

Fax: 919/515-3465

| **SIC Experience** | Site Visits |
|---|---|
| 26,28,36 | 0 |

Information on Processes, Pollutants, and Techniques is not available.

Program Name: **Rhode Island Center for Pollution Control**
University of Rhode Island- Chemical Engineering Dept.

Address: Chemical Engineering Department, Crawford Hall
Kingston, RI 02881

Contact: Stanley Barnett

Phone: 401/792-2443

Fax: 401/782-1180

E-Mail: barnett@egr.uri.edu

| **SIC Experience** | Site Visits |
|---|---|
| 20,22,27,28,30, 34,36,39,41,75 | 300 |

Information on Processes, Pollutants, and Techniques is not available.

Program Name: **Rhode Island Department of Environmental Management**
Pollution Prevention Program

Address: 83 Park Street
Providence, RI 02903-1037

Contact: Richard Girasole Jr.

Phone: 401/277-3434

Fax: 401/277-2591

| **SIC Experience** | Site Visits |
|---|---|
| 3471 | 45 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Copper Plating, Nickel Plating, Mass Finishing | Wastewater | IPR |

Program Name: **Salt Lake City-County Health Department**

Address: 1954 East Fort Union Boulevard, #103
Salt Lake City, UT 84121

Contact: Ted Sonnenburg

Phone: 801/944-6714

Fax: 801/944-6608

| **SIC Experience** | Site Visits |
|---|---|
| 17,24,27,32,34,50,72,73,75 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Fluid Management, | Auto Fluids, Oil, Grease, Solvents, | IM,PM,Sub |
| Automotive Shredding | Stormwater, Paints, Filters, Freons | IM,PM,Sub |
| Printing | Inks, Solvents | IM,PM,Sub |
| Dry Cleaning, Carpet Washing | Tetrachloroethylene | IM,PM,Sub |
| Furniture Cleaning, Polishing | Thinners, Paint Removers, MEK | IM,PM,Sub |

Program Name: **South Carolina Department of Health and Environmental Control**

Address: 2600 Bull Street
Columbia, SC 29201

Contact: Neal Hunter

Phone: 803/734-5254

Fax: 803/734-9934

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 10 |
| 28 | 4 |
| 3341 | 2 |
| 3423 | 4 |
| 3669 | 10 |
| 3699 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Tool Grinding | Oil | PM,EM,IOP |
| Salt Bath, Metal Treating | BaCl | PM,IOP |
| Cleaning | MEK | PM,EMD |

Program Name: **Southeast Manufacturing Technology Center (SMTC)**

Address: 1136 Washington Street, Suite 300
PO Box 1149
Columbia, South Carolina 29202

Contact: Belford Cross

Phone: 704/548-0050

Fax: 704/548-9050

E-Mail: crossAsunbelt.mep

| **SIC Experience** | Site Visits |
|---|---|
| 2671 | 4 |
| 3089 | 15 |
| 3451 | 8 |
| 3495 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Lamination, Cutting, Printing | Coolants, Oils, Inks, Paper | PM,IM,EM,IPR |
| Injection Molding | Polymers, Lubricated Oils | PM,IM,EM |
| Screw Machine, Four Slide | Scrap Metals, Coolants, Oils | PM,IM,EM,Sub |

Program Name: **Tennessee Valley Authority (TVA)**

Address: TVA, WT 8B-K
400 West Summit Hill Drive
Knoxville. TN 37902

Contact: Steve Hillenbrand

Phone: 615/632-8489

Fax: 615/632-3616

| **SIC Experience** | Site Visits |
|---|---|
| 25 | 20 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Woodworking | Wood Dust, Waste | IPR,IOP,PM,EM |
| Painting | VOCs | Sub,IOP,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 34 | 20 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Fabrication | Waste | Sub,IPR,PM |
| Paining | VOCs | PM,IOP,Sub |
| Electroplating | Metals, Solvents, Oils | {All of them} |

Program Name: **Texas Natural Resource Conservation Commission (TNRCC)**

Address: PO Box 13087
Austin, TX 78711-3087

Contact: Rick Grote

Phone: 512/239-3181

Fax: 512/239-3165

E-Mail: rgrote@smtpgate.tnrcc.texas.gov

| **SIC Experience** | Site Visits |
|---|---|
| 20,2211,27,28,29, 30,32,33,34,35,36 | 75 |
| 4911 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Various | Haz, Non-Haz Waste | {All of them} |
| Coal Fired Power Plants | SO2,NOx | Sub,PM,EMD |

Program Name: **Thurston County Health Department**
Resouce Protection-Moderate Risk Waste

Address: 2000 Lakeridge Dr. SW
Olympia, WA 98502

Contact: Michael Kent

Phone: 206/786-5457

Fax: 206/754-2954

| **SIC Experience** | Site Visits | |
|---|---|---|
| 27 | 50 | |
| *Process* | *Pollutant* | *Technique* |
| Plate Making | Spent Photo Fixer | IPR,IOP |
| Printing | Waste Ink | Sub,IPR,IOP,IC,EM |
| Clean-up | Solvents, Ink Sludge | Sub,IPR,IOP,PM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 72,73 | 26 | |
| *Process* | *Pollutant* | *Technique* |
| Photo Development | Spent Fixer | IPR,IOP,IM,PM,EM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 75 | 150 | |
| *Process* | *Pollutant* | *Technique* |
| Parts Cleaning | Solvents | Sub,IPR,IOP,PM |
| Painting | Solvents, Paints | IPR,IOP,IC,PM,EMD |
| Fluid Replacement | Oil, Antifreeze, Oil Filters | IPR,EMD |
| Floor Washing | Oil, Grease, Soap | Sub,IOP,IM,PM,EMD |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 80,0742 | 135 | |
| 82 | 34 | |
| *Process* | *Pollutant* | *Technique* |
| X-Ray | Spent Fixer | IPR,IOP,IM,PM,EM |
| Lab experiment | Lab Chemicals | Sub,PM,IC |
| Cleaning, Building Maintenance, Art, Woodworking | Solvents, Paints, Stains, Photowastes | Sub,IOP,IC,PM,EMD |

Program Name: **UCLA Pollution Prevention Education and Research Center (PPERC)**

Address: 7440 Boelter Hall; 405 Hilgard Avenue
Los Angeles, California 90024-1600

Contact: Linda O'Connor

Phone: 310/206-2098

Fax: 310/206-3906

E-Mail: pperc@ea.ucla.edu

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3674 | 0 | |
| *Process* | *Pollutant* | *Technique* |
| Fabrication | Mercury | Sub,PM,EM,Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 5148, 5149 | 0 | |
| *Process* | *Pollutant* | *Technique* |
| Food Purcahsing | NA | Oth |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 7216 | 0 | |
| *Process* | *Pollutant* | *Technique* |
| Dry Cleaning | Perchloroethylene | Sub,IPR,IOP,PM,EM,EMD,Oth |

# This space for Meditation. (Insert Mantra Here)

Program Name: **University of Detroit Mercy**
Center of Excellence in Environmental Engineering and Science

Address: 4001 West McNichols
Detroit, MI 48219

Contact: Dan Klempner

Phone: 313/993-1480

Fax: 313/993-1112

E-Mail: klempndi@udmercy.edu

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3086 | 50 | |
| *Process* | *Pollutant* | *Technique* |
| NA | Polyurethane | Sub,PM,PTM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3714 | 12 | |
| Process | Pollutant | Technique |
| Auto Recycling | Automotive Shredder Residue | IPR,IOP,IC,PM |

Program Name: **University of North Dakota**
Energy and Environmental Research Center

Address: PO Box 9018
15 North 23rd Street
Grand Forks, ND 58202-9018

Contact: Patrick Miller

Phone: 701/777-5113

Fax: 701/777-5181

E-Mail: pamiller@plains.nodak.edu

| **SIC Experience** | Site Visits | |
|---|---|---|
| 0191 | 0 | |
| Process | Pollutant | Technique |
| Agricultural Chemical Impact on Groundwater | Pesticides, Fertilizers | IOP,PM |

**University of North Dakota-** (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 3089 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Thermal Plastic Recycling, Cl removal | Plastic, Cl | IPR,PTM,EM,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 4111 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Analysis of Oxygenated Fuels | CO, VOCs | IOP,IM,PM,PTM |

| **SIC Experience** | Site Visits |
|---|---|
| 4911,4953,8734 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Air Toxic Metal Analysis, Control | Air Toxic Metals | IOP,PM,EM,EMD |
| Air Emissions Control | SO2,NOx, Fine Particulates | IOP,PM,EM,EMD |
| Ash Disposal Land Utilization | Ash | IPR,IOP,PM,PTM,EM,EMD |
| Municipal Waste Carbonization | Municipal Wastes | IPR,PM,PTM,EM |
| Super Critical Fluid Extraction | Toxic Waste Solvents | PM,EM |

Program Name: **University of Tennessee Center for Industrial Services**
Energy and Environmental Research Center

Address: Suite 606
226 Capitol Blvd. Bldg.
Nashville, Tennessee

Contact: George Smelcer

Phone: 615/532-4912

Fax: 615/532-4937

E-Mail: smelcer%cis_nash@wpgate.utk.edu

| **SIC Experience** | Site Visits |
|---|---|
| 20-39 | 300 |

Information on Processes, Pollutants, and Techniques is not available.

Program Name: **University of Texas at Arlington**
Environmental Institute for Technology Transfer

Address: PO Box 19050
Arlington, TX 76019

Contact: Gerald Nehman

Phone: 817/273-2300

Fax: 817/794-5653

E-Mail: Nehman@uta.edu

| **SIC Experience** | Site Visits |
|---|---|
| 8221 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Robotics Research, Cutting Operations | Noise, Dust | Sub,PM,EM,EMD,IOP |
| Circuit Board Manufacturing | Heavy Metals | Sub,PM,EM |

Program Name: **University of the Virgin Islands**
Small Business Development Center

Address: 8000 Nisky Center, Suite 202
St. Thomas, VI 00802

Contact: Florette Champagnie

Phone: 809/776-3206

Fax: 809/775-3756

| **SIC Experience** | Site Visits |
|---|---|
| 7011,7041,7374 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Air Conditioning, Oil Generators, SPS/UPS, Waste Dumpsters, Incinerators | VOCs, HAPs | IM,EMD,IOP |
| Data Processing | Particulate Matter | IPR |

Program Name: **University of Wisconsin**
Solid and Hazardous Waste Education Center (SHWEC)

Address: 610 Langdon Street Rm 529
Madison, WI 53703

Contact: David Liebl

Phone: 608/262-0385

Fax: 608/262-6250

E-Mail: liebl@engr.wisc.edu

| **SIC Experience** | Site Visits |
|---|---|
| 20,30,40,75 | 210 |

Information on Processes, Pollutants, and Techniques is not available.

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Program Name: **US EPA Region IV**
Waste Reduction Resource Center

Address: 3825 Barrett Drive
Raleigh, NC 27609

Contact: Vic Young

Phone: 800/476-8686

Fax: 919/571-4135

E-Mail: victor@owr.ehnr.state.nc.us

| **SIC Experience** | Site Visits |
|---|---|
| 22 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Dyeing | Dyes, Salts | Sub,IOP,IM,PM |

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| **SIC Experience** | Site Visits |
|---|---|
| 25 | 5 |
| 26 | 0 |
| 27 | 4 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Staining, Undercoating, Topcoating | Solvents | Sub,IPR,IM,IC,PM,IOP |
| Kraft Paper Manufacturing, Bleaching | Cl, Dioxin | Sub,IPR,IM,IC,PM |
| Blanket Roll Cleaning | Solvents | Sub,IPR,IC,EM,IOP |

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**US EPA Region IV**- (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 34,35 | 15 |
| 36 | 0 |
| 3999 | 40 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Solder Flux Removal, Soldering, Component Assembly | Solvents, Scraps | Sub,PM,IOP,IM,IC,EM,IPR |
| Cleaning, Painting, Coating | Solvents | Sub,PM,IOP,IM,IC,EMD |
| Manufacturing Processes | Coolants | Sub,PM,IOP,EM,IPR |
| Heat Treat | Lubricants,Quench | Sub,PM,IC,IPR,PM |

Program Name: **US EPA Region VIII**

Address: 999 18th Street, Suite 500
Denver, CO 80202

Contact: Marie Zanowick

Phone: 303/294-1065

Fax: 303/293-1724

| **SIC Experience** | Site Visits |
|---|---|
| 1221 | 4 |
| 3672 | 4 |
| 3711 | 6 |
| 7011,7031 | 5 |
| 7538 | 15 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Solvent Parts Cleaning, Cable Grease Vehicle Wash Water | Solvents, Oil, Dirt, | Sub,EM,PTM,PM |
| Drag Cable | Spent Cable | Oth |
| Parts Washing, Linen Washing | Wastewater, Trash, Solvents | Sub,IOP,Oth |
| Waste Oil, Antifreeze | Metal Parts, Antifreeze, Oil | IPR,IC,Oth |
| Out-of-Date Supply | Waste Supply | IC |
| Cleaning Parts | Solvents | Sub,EM |

Program Name: **Vermont Agency of Natural Resources**
Office of Environmental Assistance

Address: 103 South Main Street
Waterbury, VT 05671-0404

*Contact:* Paul Van Hollebeke

Phone: 802/241-3888

Fax: 802/241-3296

| **SIC Experience** | Site Visits |
|---|---|
| 25 | 20 |
| 27 | 30 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Photoprocessing | Spent Fixer | IPR,IOP |
| Offset Printing | Solvents, Alcohols, Inks | Sub,IOP |
| Finishing | VOCs, Filters, Spent Solvents | EM,Sub,IPR |

| **SIC Experience** | Site Visits |
|---|---|
| 34 | 20 |
| 55 | 35 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Degreasing, Cleaning | Halogenated Solvents | Sub |
| Finishing | Spent Solvents, VOCs, Haz Waste | EM,EMD,Sub |
| Metalworking | Spent Cutting Fluids | IM,Sub,IPR |
| Parts Cleaning | Spent Solvent | Sub |
| Antifreeze | Ethylene Glycol, Contaminants | IPR |
| Oily Waste | Haz Waste | IOP |

Program Name: **Virginia Department of Environmental Quality**
Office of Pollution Prevention

Address: 629 East Main Street (PO Box 10009)
Richmond, VA 23240-0009

Contact: Sharon K. Baxter

Phone: 804/762-4344

Fax: 804/762-4346

| **SIC Experience** | Site Visits |
|---|---|
| 22 | 8 |
| 25 | 8 |
| 27 | 5 |
| 28 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Dyeing Operations | Wastewater, BOD, Dyes | IPR,IOP,IC,PM,EM |
| Finish Applications | VOCs,HAPs | IOP,PM,EM,EMD |
| Printing, Clean-up | VOCs,HAPs, Solvents | IOP,PM,EM,EMD,IM |
| Clean-up | Haz Wastes | IPR,IOP,IM,EM |
| Batch Changeovers | Wastewater, Toxics, BOD | IPR,IOP,EMD |

| **SIC Experience** | Site Visits |
|---|---|
| 33 | 5 |
| 34 | 10 |
| 36 | 10 |
| 37 | 5 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Bag-House Dust, Foundry Sand | Haz Waste | IPR,IOP,EM |
| Plating | Haz Waste | IPR,IOP,IM,IC,PM,EMD |
| Manufacturing Printed Circuit Boards | Solvents, VOCs, | |
| Painting Operations | Haz Waste | Sub,IPR,IOP,PM,IC,IM,EM |

Program Name: **Washington State Department of Ecology**

Address: PO Box 47600
Olympia, Washington 98504

Contact: Lynn Helbrecht

Phone: 206/407-6760

Fax: 206/407-6989

**SIC Experience**
2434, 2511

Site Visits
9

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Coating | Solvents, Paint, VOCs | Sub,IPR,IOP,IC,PM,EM |

**SIC Experience**
2611, 2621,2631

Site Visits
6

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Pulping | BOD, Total Suspended Solids | IPR |
| Bleaching | Chlorine, Dioxins, Oxidized Aromatics | PM,EMD,PTM,Sub |
| Papermaking | Sulfuric Acid | IPR, Sub |
| Paper Recycling | NA | IPR,Sub |
| Chemical Recovery | NA | IPR,IM,EMD |

**SIC Experience**
2911

Site Visits
3

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Refining, Cooking | Oil, Grease | IOP,IM,PM,PTM |
| Wastewater Collection, Treatment | Total Suspended Solids, Oil, Grease | IPR,IOP,IM,EM |

**SIC Experience**
30

Site Visits
125

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Spray/Hand Layup, Cleaning | Styrene, Acetone | IOP,EM,PTM,IM,IC,Sub,Oth |

**Washington State Department of Ecology**- (Continued)

| **SIC Experience** | Site Visits | |
|---|---|---|
| 3334, 3339 | 6 | |
| *Process* | *Pollutant* | *Technique* |
| Metal Reduction | Poly-florinated Compounds, Flouride | IPR,IOP,IM,IC,PM,EM,Sub |
| Anode, Cathode Manufacturing | Poly-cyclic Organic Matter | IPR,IOP,PM,Sub |
| Fluxing | Chlorine | IOP,PM,Sub |
| Casting | Particulate | EM |
| Air Pollution Controls | Flouride, Sulfur Dioxide, Particulates | |
| | Poly-cyclic Organic Matter | EM,IM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 34 | 23 | |
| *Process* | *Pollutant* | *Technique* |
| Electroplating | Spent (Non) Halogenated Solvents, Wastewater Treatment Sludges | Sub,IOP,PM,EM |

| **SIC Experience** | Site Visits | |
|---|---|---|
| 36 | *50+* | |
| *Process* | *Pollutant* | *Technique* |
| Electroplating, Chemical-Etch, Chemical Preclear | Copper, Lead, Rinsewaters, Spent Solutions, Spent Etchent | PM,EM,IOP,IPR,Sub |
| Rack Stripping | Nitric Acid, Lead, Tin | EM,PM,Sub |
| Tin, Lead, Etch Resistance | Lead | Sub |

Program Name: **West Virginia Division of Environmental Protection**
Pollution Prevention Services

Address: 2006 Robert C. Byrd Dr.
Beckley, WV 25801-8320

Contact: Leroy Gilbert

Phone: 304/256-6850

Fax: 304/256-6948

| **SIC Experience** | Site Visits |
|---|---|
| 2421 | 34 |
| 2951 | 6 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Wood Sawing Operations | COD,BOD,TOC | IC |
| Wood Dipping | Insecticides | IOP,IM |
| Equipment Maintenance | Oils, Grease | |
| Asphalt Formulation | Liquid Asphalt, Petroleum Compounds, Solvents | IOP,IM |

| **SIC Experience** | Site Visits |
|---|---|
| 3273 | 9 |
| 3532 | 45 |
| 7532 | 3 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Truck Washout | Alkaline Sludges | IPR,IOP,IM |
| Concrete Formulation | Chloroform Formaldehyde, Methylene Chloride, Trichloroethylene | Sub,IOP,IPR,IM |
| Painting, Filling | Paints, Solvents (Acetone, MEK, Toluene) | Sub,IOP |
| Equipment Remanufacture, Cleaning | Oils, Solids, Grease | IPR,IOP |
| General Body Work | Polyester Resins, MEK, Peroxide, Freon | IOP,IM |

| **SIC Experience** | Site Visits |
|---|---|
| 4231 | 18 |
| 4581 | 7 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Vehicle Maintenance | Freon, Oils, Grease, Solvents | IOP,IM,Sub |
| Fueling | Diesel Fuel | IOP,IM |
| Aircraft Fueling/ Maintenance | Aviation Fuels, Oils, Grease, Solvents | IOP,IM |

**West Virginia Division of Environmental Protection-** (Continued)

| **SIC Experience** | Site Visits |
|---|---|
| 5093 | 88 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Auto Dismantling, Crushing | Freon, Pb, Ethylene Glycol | IOP,IM,IPR |
| Equipment Maintenance | Alcohol, Oils, Grease, Solvents, Heavy Metals | IOP,IM,IPR |

Program Name: **Wisconsin Department of Natural Resources (DNR)**
Office of Pollution Prevention

Address: 101 South Webster; PO Box 7921, TS/6
Madison, Wisconsin 53703-7921

Contact: Thomas Eggert

Phone: 608/267-9700

Fax: 608/267-5231

E-Mail: eggert@dnr.state.wi.us

| **SIC Experience** | Site Visits |
|---|---|
| 24,25 | 10 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Finishing | VOCs, Filters, Spent Solvents | EM,Sub,IPR |

| **SIC Experience** | Site Visits |
|---|---|
| 27 | 10 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Offset Lithography | Wastewater Inks, Fountain Solutions, Blanket Press Wash | Sub,IOP,IC,PM,IM,EM,OTH |
| Flexography | Press Wash, Inks (Solvent-based) | Sub, IOP |
| Screen Printing | Press Wash, Inks, Screen Cleaners | Sub,IOP |
| Letter Press | Inks, Plate Etch, Lead | Sub,IOP,PM |

| **SIC Experience** | Site Visits |
|---|---|
| 7216 | 10 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Spray Coating | Perchloroethylene | IM,IC,Oth |

Program Name: **Wyoming Department of Environmental Quality (DEQ)**
Pollution Prevention Program

Address: 122 W. 25th Street
Cheyenne, WY 82002

Contact: Pat Gallagher

Phone: 307/777-6105

Fax: 307/777-5973

E-Mail: pgallagher@shwd.osmre.gov

| **SIC Experience** | Site Visits |
|---|---|
| 1221,2911 | 0 |

| *Process* | *Pollutant* | *Technique* |
|---|---|---|
| Parts Cleaning, Equipment Maintenance | Solvents, Greases | Sub,IOP |
| Oily Waste Stream Treatment | Oily Wastes, Oils, Metals, Slop Oil Emulsion Solids, Separator Sludge | PM,IOP |
| Catalysts | Caustics | Oth |

# SIC Codes

SIC Code Industry

## Agriculture

### Agricultural Production—Crops

0111 Wheat
0112 Rice
0115 Corn
0116 Soybeans
0119 Cash grains, nec
0131 Cotton
0132 Tobacco
0133 Sugar cane and sugar beets
0134 Irish potatoes
0139 Field crops except cash grains, nec
0161 Vegetables and melons
0171 Berry crops
0172 Grapes
0173 Tree nuts
0174 Citrus fruits
0175 Deciduous tree fruits
0179 Fruits and tree nuts, nec
0181 Ornamental nursery products
0182 Food crops grown under cover
0191 General farms, primarily crops

### Agricultural Production—Livestock

0211 Beef cattle feedlots
0212 Beef cattle, except feedlots
0213 Hogs
0214 Sheep and goats
0219 General livestock, nec
0241 Dairy farms
0251 Broiler, fryer, and roaster chickens
0252 Chicken eggs
0253 Turkeys and turkey eggs
0254 Poultry hatcheries
0259 Poultry and eggs, nec
0271 Fur-bearing animals and rabbits
0272 Horses and other equines
0273 Animal aquaculture
0279 Animal specialities, nec
0291 General farms, primarily animal

### Agricultural Services

0711 Soil preparation services
0721 Crop planting and protecting
0722 Crop harvesting
0723 Crop preparation services for market
0724 Cotton ginning
0741 Veterinary services, for livestock
0742 Veterinary services, specialities
0751 Livestock services, except veterinary
0752 Animal speciality services
0761 Farm labor contractors
0762 Farm management services
0781 Landscape counseling and planning
0782 Lawn and garden services
0783 Ornamental shrub and tree services

### Forestry

0811 Timber tracts
0831 Forest products
0851 Forestry services

### Fishing, Hunting, and Trapping

0912 Finfish
0913 Shellfish
0919 Miscellaneous marine products
0921 Fish hatcheries and preserves
0971 Hunting, trapping, game propragation

## Mining

### Metal Mining

1011 Iron ores
1021 Copper ores
1031 Lead and zinc ores
1041 Gold ores
1044 Silver ores
1061 Ferroalloy ores, except vanadium
1081 Metal mining services
1094 Uranium, radium, vanandium ores
1099 Metal ores, nec

### Coal Mining

1221 Bituminous coal and lignite - surface
1222 Bituminous coal - underground
1231 Anthracite mining
1241 Coal mining services

### Oil and Gas Extraction

1311 Crude petroleum and natural gas
1321 Natural gas liquids
1381 Drilling oil and gas wells
1382 Oil and gas exploration services
1389 Oil and gas field services, nec

### Nonmetallic Minerals, Except Fuels

1411 Dimension stone
1422 Crushed and broken limestone
1423 Crushed and broken granite
1429 Crushed and broken stone, nec
1442 Construction sand and gravel
1446 Industrial sand
1455 Kaolin and ball clay
1459 Clay and related minerals, nec
1474 Potash, soda and borate minerals
1475 Phosphate rock
1479 Chemical and fertilizer mining, nec
1481 Nonmetallic minerals services
1499 Miscellaneous nonmetallic minerals, nec

## Construction

### General Building Contractors

1521 Single-family housing construction
1522 Residential construction, nec
1531 Operative builders
1541 Industrial buildings and warehouses
1542 Nonresidential construction, nec

### Heavy Construction, Excluding Buildings

1611 Highway and street construction
1622 Bridge, tunnel, and elevated highway
1623 Water, sewer, and utility lines
1629 Heavy construction, nec

### Special Trade Contractors

1711 Plumbing, heating, air conditioning
1721 Painting and paper hanging
1731 Electrical work
1741 Masonry and other stonework
1742 Plastering, drywall and insulation
1743 Terrazzo, tile, marble, mosaic work
1751 Carpentry work
1752 Floor laying and floor work, nec
1761 Roofing, siding and sheet metal work
1771 Concrete work
1781 Water well drilling
1791 Structural steel erection
1793 Glass and glazing work
1794 Excavation work
1795 Wrecking and demolition work
1796 Installing building equipment, nec
1799 Special trade contractors, nec

## Manufacturing

### Food and Kindred Products

2011 Meat packing plants
2013 Sausages and other prepared meats
2015 Poultry slaughtering and processing
2021 Creamery butter
2022 Cheese, natural and processed
2023 Dry, condensed, evaporated products
2024 Ice cream and frozen desserts
2026 Fluid milk
2032 Canned specialities
2033 Canned fruits and vegetables
2034 Dehydrated fruits, vegetables, soups
2035 Pickles, sauces, and salad dressings
2037 Frozen fruits and vegetables
2038 Frozen specialities, nec
2041 Flour and other grain mill products
2043 Cereal breakfast foods
2044 Rice milling
2045 Prepared flour mixes and doughs
2046 Wet corn milling
2047 Dog and cat food
2048 Prepared feeds, nec
2051 Bread, cake and related products
2052 Cookies and crackers
2053 Frozen bakery products, except bread
2061 Raw cane sugar
2062 Cane sugar refining
2063 Beet sugar
2064 Candy and other confectionery products
2066 Chocolate and cocoa products
2067 Chewing gum
2068 Salted and roasted nuts and seeds
2074 Cottonseed oil mills
2075 Soybean oil mills
2076 Vegetable oil mills, nec
2077 Animal and marine fats and oils
2079 Edible fats and oils, nec
2082 Malt beverages
2083 Malt
2084 Wines, brandy, and brandy spirits
2085 Distilled and blonded liquors
2086 Bottled and canned soft drinks
2087 Flavoring extracts and syrups, nec
2091 Canned and cured fish and seafood
2092 Fresh or frozen prepared fish
2095 Roasted coffee
2097 Manufactured ice
2098 Macaroni and spaghetti
2099 Food preparations, nec

### Tobacco Products

2111 Cigarettes
2121 Cigars
2131 Chewing and smoking tobacco
2141 Tobacco stemming and redrying

Note: nec = not elsewhere classified.

## Textile Mill Products

2211 Broadwoven fabric mills, cotton
2221 Broadwoven fabric mills, man-made
2231 Broadwoven fabric mills, wool
2241 Narrow fabric mills
2251 Women's hosiery, except socks
2252 Hosiery, nec
2253 Knit outerwear mills
2254 Knit underwear mills
2257 Weft knit fabric mills
2258 Lace and warp knit fabric mills
2259 Knitting mills, nec
2261 Finishing plants, cotton
2262 Finishing plants, man-made
2269 Finishing plants, nec
2273 Carpets and rugs
2281 Yarn spinning mills
2282 Throwing and winding mills
2284 Thread mills
2295 Coated fabrics, not rubberized
2296 Tire cord and fabrics
2297 Nonwoven fabrics
2298 Cordage and twine
2299 Textile goods, nec

## Apparel and Other Textile Products

2311 Men's and boys' suits and coats
2321 Men's and boys' shirts
2322 Men's and boys' underwear and nightwear
2323 Men's and boys' neckwear
2325 Men's and boys' trousers and slacks
2326 Men's and boys' work clothing
2329 Men's and boys' clothing, nec
2331 Women's and misses' blouses and shirts
2335 Women's, juniors' and misses' dresses
2337 Women's and misses' suits and coats
2339 Women's and misses' outerwear, nec
2341 Women's and children's outerwear
2342 Bras, girdles, and allied garments
2353 Hats, caps, and millinery
2361 Girls' and children's dresses, blouses
2369 Girls' and children's outerwear, nec
2371 Fur goods
2381 Fabric dress and work gloves
2384 Robes and dressing gowns
2385 Waterproof outerwear
2386 Leather and sheep lined clothing
2387 Apparel belts
2389 Apparel and accessories, nec
2391 Curtains and draperies
2392 House furnishings, nec
2393 Textile bags
2394 Canvas and related products
2395 Pleating and stitching
2396 Automotive and apparel trimmings
2397 Schiffli machine embroideries
2399 Fabricated textile products, nec

## Lumber and Wood Products

2411 Logging
2421 Sawmills and planing mills, general
2426 Hardwood dimension and flooring mills
2429 Special product sawmills, nec
2431 Millwork
2434 Wood kitchen cabinets
2435 Hardwood veneer and plywood
2436 Softwood veneer and plywood
2439 Structural wood members, nec
2441 Nailed wood boxes and shook
2448 Wood pallets and skids
2449 Wood containers, nec
2451 Mobile homes
2452 Prefabricated wood buildings
2491 Wood preserving
2493 Reconstituted wood products
2499 Wood products, nec

## Furniture and Fixtures

2511 Wood household furniture
2512 Upholstered household furniture
2514 Metal household furniture
2515 Mattresses and bedsprings
2517 Wood TV and radio cabinets
2519 Household furniture, nec
2521 Wood office furniture
2522 Office furniture, except wood
2531 Public building and related furniture
2541 Wood partitions and fixtures
2542 Partitions and fixtures, except wood
2591 Drapery hardware and blinds and shades
2599 Furniture and fixtures, nec

## Paper and Allied Products

2611 Pulp mills
2621 Paper mills
2631 Paperboard mills
2652 Set-up paperboard boxes
2653 Corrugated and solid fiber boxes
2655 Fiber cans, drums, and similar products
2656 Sanitary food containers
2657 Folding paper board boxes
2671 Paper coated and laminated, packaging
2672 Paper coated and laminated, nec
2673 Bags - plastics, laminated and coated
2674 Bags - uncoated paper and multiwall
2675 Die-cut paper and board
2676 Sanitary paper products
2677 Envelopes
2678 Stationery products
2679 Converted paper products, nec

## Printing and Publishing

2711 Newspapers
2721 Periodicals
2731 Book publishing
2732 Book printing
2741 Miscellaneous publishing
2752 Commercial printing, lithographic
2754 Commercial printing, gravure
2759 Commercial printing, nec
2761 Manifold business forms
2771 Greeting cards
2782 Blankbooks and looseleaf binders
2789 Bookbinding and related work
2791 Typesetting
2796 Plate making services

## Chemicals and Allied Products

2812 Alkalies and chlorine
2813 Industrial gases
2816 Inorganic pigments
2819 Industrial inorganic chemicals, nec
2821 Plastics materials and resins
2822 Synthetic rubber
2823 Cellulosic man-made fibers
2824 Organic fibers, noncellulosic
2833 Medicinals and botanicals
2834 Pharmaceutical preparations
2835 Diagnostic substances
2836 Biological products, except diagnostic
2841 Soap and other detergents
2842 Polishes and sanitation goods
2843 Surface active agents
2844 Toilet preparations
2851 Paints and allied products
2861 Gum and wood chemicals
2865 Cyclic crudes and intermediates
2869 Industrial organic chemicals, nec
2873 Nitrogenous fertilizers
2874 Phosphatic fertilizers
2875 Fertilizers, mixing only
2879 Agricultural chemicals, nec
2891 Adhesives and sealants
2892 Explosives
2893 Printing ink
2895 Carbon black
2899 Chemical preparations, nec

## Petroleum and Coal Products

2911 Petroleum refining
2951 Asphalt paving mixtures and blocks
2952 Asphalt felts and coatings
2992 Lubricating oils and greases
2999 Petroleum and coal products, nec

## Rubber and Miscellaneous Plastic Products

3011 Tires and inner tubes
3021 Rubber and plastics footwear
3052 Rubber and plastics hose and belting
3053 Gaskets, packing and sealing devices
3061 Mechanical rubber goods
3069 Fabricated rubber products, nec
3081 Unsupported plastics, film and sheet
3082 Unsupported plastics profile shapes
3083 Laminated plastics, plate and sheet
3084 Plastics, pipe
3085 Plastics, bottles
3086 Plastics, foam products
3087 Custom compound purchased resins
3088 Plastics, plumbing fixtures
3089 Plastics products, nec

## Leather and Leather Products

3111 Leather tanning and finishing
3131 Footwear, cut stock
3142 House slippers
3143 Men's footwear, except athletic
3144 Women's footwear, except athletic
3149 Footwear, except rubber, nec
3151 Leather gloves and mittens
3161 Luggage
3171 Women's handbags and purses
3172 Personal leather goods, nec
3199 Leather goods, nec

## Stone, Clay, and Glass Products

3211 Flat glass
3221 Glass containers
3229 Pressed and blown glass, nec
3231 Products of purchased glass
3241 Cement, hydraulic
3251 Brick and structural clay tile
3253 Ceramic wall and floor tile
3255 Clay refractories
3259 Structural clay products, nec
3261 Vitreous plumbing fixtures
3262 Vitreous china table and kitchenware
3263 Semivitreous table and kitchenware
3264 Porcelain electrical supplies
3269 Pottery products, nec
3271 Concrete block and brick
3272 Concrete products, nec
3273 Ready mixed concrete

Note: nec = not elsewhere classified.

3274 Lime
3275 Gypsum products
3281 Cut stone and stone products
3291 Abrasive products
3292 Asbestos products
3295 Minerals, ground or treated
3296 Mineral wool
3297 Nonclay refractories
3299 Nonmetallic mineral products, nec

## Primary Metal Industries

3312 Blast furnaces and steel mills
3313 Electrometallurgical products
3315 Steel wire and related products
3316 Cold finishing of steel shapes
3317 Steel pipe and tubes
3321 Gray and ductile iron foundries
3322 Malleable iron foundries
3324 Steel investment foundries
3325 Steel foundries, nec
3331 Primary copper
3334 Primary aluminum
3339 Primary nonferrous metals, nec
3341 Secondary nonferrous metals
3351 Copper rolling and drawing
3353 Aluminum sheet, plate, and foil
3354 Aluminum extruded products
3355 Aluminum rolling and drawing, nec
3356 Nonferrous rolling and drawing, nec
3357 Nonferrous wire drawing and insulating
3363 Aluminum die-castings
3364 Nonferrous die-castings, except aluminum
3365 Aluminum foundries
3366 Copper foundries
3369 Nonferrous foundries, nec
3398 Metal heat treating
3399 Primary metal products, nec

## Fabricated Metal Products

3411 Metal cans
3412 Metal barrels, drums, and pails
3421 Cutlery
3423 Hand and edge tools, nec
3425 Saw blades and handsaws
3429 Hardware, nec
3431 Metal sanitary ware
3432 Plumbing fixture fittings and trim
3433 Heating equipment, except electric
3441 Fabricated structural metal
3442 Metal doors, sash, and trim
3443 Fabricated plate work (boiler shops)
3444 Sheet metal work
3446 Architectural metal work
3448 Prefabricated metal buildings
3449 Miscellaneous metal work
3451 Screw machine products
3452 Bolts, nuts, rivets, and washers
3462 Iron and steel forgings
3463 Nonferrous forgings
3465 Automotive stampings
3466 Crowns and closures
3469 Metal stampings, nec
3471 Plating and polishing
3479 Metal coating and allied services
3482 Small arms ammunition
3483 Ammunition, except for small arms, nec
3484 Small arms
3489 Ordinance and accessories, nec
3491 Industrial valves
3492 Fluid power valves and hose fittings
3493 Steel springs, except wire
3494 Valves and pipe fittings, nec
3495 Wire springs
3496 Miscellaneous fabricated wire products
3497 Metal foil and leaf
3498 Fabricated pipe and fittings
3499 Fabricated metal products, nec

## Industrial Machinery and Equipment

3511 Turbines and turbine generator sets
3519 Internal combustion engines, nec
3523 Farm machinery and equipment
3524 Lawn and garden equipment
3531 Construction machinery
3532 Mining machinery
3533 Oil and gas field machinery
3534 Elevators and moving stairways
3535 Conveyors and conveying equipment
3536 Hoists, cranes, and monorails
3537 Industrial trucks and tractors
3541 Machine tools, metal cutting types
3542 Machine tools, metal forming types
3543 Industrial patterns
3544 Special dies, tools, jigs, and fixture
3545 Machine tool accessories
3546 Power driven hand tools
3547 Rolling mill machinery
3548 Welding apparatus
3549 Metalworking machinery, nec
3552 Textile machinery
3553 Woodworking machinery
3554 Paper industries machinery
3555 Printing trades machinery
3556 Food products machinery
3559 Special industry machinery, nec
3561 Pumps and pumping equipment
3562 Ball and roller bearings
3563 Air and gas compressors
3564 Blowers and fans
3565 Packaging machinery
3566 Speed changers, drives, and gears
3567 Industrial furnaces and ovens
3568 Power transmission equipment, nec
3569 General industrial machinery, nec
3571 Electronic computers
3572 Computer storage devices
3575 Computer terminals
3577 Computer peripheral equipment, nec
3578 Calculating and accounting equipment
3579 Office machines, nec
3581 Automatic vending machines
3582 Commercial laundry equipment
3585 Refrigeration and heating equipment
3586 Measuring and dispensing pumps
3589 Service industry machinery, nec
3592 Carburetors, pistons, rings, valves
3593 Fluid power cylinders and actuators
3594 Fluid power pumps and motors
3596 Scales and balances, except laboratory
3599 Industrial machinery, nec

## Electronic and Other Electric Equipment

3612 Transformers, except electronic
3613 Switchgear and switchboard apparatus
3621 Motors and generators
3624 Carbon and graphite products
3625 Relays and industrial controls
3629 Electrical industrial apparatus, nec
3631 Household cooking equipment
3632 Household refrigerators and freezers
3633 Household laundry equipment
3634 Electric housewares and fans
3635 Household vacuum cleaners
3639 Household appliances, nec
3641 Electric lamps
3643 Current-carrying wiring devices
3644 Noncurrent-carrying wiring devices
3645 Residential lighting fixtures
3646 Commercial lighting fixtures
3647 Vehicular lighting equipment
3648 Lighting equipment, nec
3651 Household audio and video equipment
3652 Prerecorded records and tapes
3661 Telephone and telegraph apparatus
3663 Radio and TV communication equipment
3669 Communications equipment, nec
3671 Electron tubes
3672 Printed circuit boards
3674 Semiconductors and related devices
3675 Electronic capacitors
3676 Electronic resistors
3677 Electronic coils and transformers
3678 Electronic connectors
3679 Electronic components, nec
3691 Storage batteries
3692 Primary batteries, dry and wet
3694 Engine electrical equipment
3695 Magnetic and optical recording media
3699 Electrical equipment and supplies, nec

## Transportation Equipment

3711 Motor vehicles and car bodies
3713 Truck and bus bodies
3714 Motor vehicle parts and accessories
3715 Truck trailers
3716 Motor homes
3721 Aircraft
3724 Aircraft engines and engine parts
3728 Aircraft parts and equipment, nec
3731 Ship building and repairing
3732 Boat building and repairing
3743 Railroad equipment
3751 Motorcycles, bicycles, and parts
3761 Guided missiles and space vehicles
3764 Space propulsion units and parts
3769 Space vehicle equipment, nec
3792 Travel trailers and campers
3795 Tanks and tank components
3799 Transportation equipment, nec

## Instruments and Related Products

3812 Search and navigation equipment
3821 Laboratory apparatus and furniture
3822 Environmental controls
3823 Process control instruments
3824 Fluid meters and counting devices
3825 Instruments to measure electricity
3826 Analytical instruments
3827 Optical instruments and lenses
3829 Measuring and controlling devices, nec
3841 Surgical and medical instruments
3842 Surgical appliances and supplies
3843 Dental equipment and supplies
3844 X-ray apparatus and tubes
3845 Electromedical equipment
3851 Ophthalmic goods
3861 Photographic equipment and supplies
3873 Watches, clocks, watchcases and parts

Note: nec = not elsewhere classified.

### Miscellaneous Manufacturing Industries

3911 Jewelry, precious metal
3914 Silverware and plated ware
3915 Jewelers' materials and lapidary work
3931 Musical instruments
3942 Dolls and stuffed toys
3944 Games, toys, and childrens' vehicles
3949 Sporting and athletic goods, nec
3951 Pens and mechanical pencils
3952 Lead pencils and art goods
3953 Marketing devices
3955 Carbon paper and inked ribbons
3961 Costume jewelry
3965 Fasteners, buttons, needles and pins
3991 Brooms and brushes
3993 Signs and advertising specialties
3995 Burial caskets
3996 Hard surface floor coverings, nec
3999 Manufacturing industries, nec

## Transportation and Utilities

### Railroad Transportation

4011 Railroads, line-haul operating
4013 Switching and terminal devices

### Local and Interurban Passenger Transit

4111 Local and suburban transit
4119 Local passenger transportation, nec
4121 Taxicabs
4131 Intercity and rural bus transportation
4141 Local bus charter service
4142 Bus charter service, except local
4151 School buses
4173 Bus terminal and service facilities

### Trucking and Warehousing

4212 Local trucking, without storage
4213 Trucking, except local
4214 Local trucking with storage
4215 Courier services, except by air
4221 Farm product warehousing and storage
4222 Refrigerated warehousing and storage
4225 General warehousing and storage
4226 Special warehousing and storage, nec
4231 Trucking terminal facilities

### U.S. Postal Service

4311 U.S.Postal Service

### Water Transportation

4412 Deep sea foreign transportation of freight
4424 Deep sea domestic trans. of freight
4432 Freight transportation, on the Great Lakes
4449 Water transportation of freight, nec
4481 Deep sea passenger trans., except ferry
4482 Ferries
4489 Water passenger transportation, nec
4491 Marine cargo handling
4492 Towing and tugboat service
4493 Marinas
4499 Water transportation services, nec

### Transportation by Air

4512 Air transportation, scheduled
4513 Air courier services
4522 Air transportation, nonscheduled
4581 Airports, flying fields, and services

### Pipelines, Except Natural Gas

4612 Crude petroleum pipelines
4613 Refined petroleum pipelines
4619 Pipelines, nec

### Transportation Services

4724 Travel agencies
4725 Tour operators
4729 Passenger transportation arrangement, nec
4731 Freight transportation arrangement
4741 Rental of railroad cars
4783 Packing and crating
4785 Inspection and fixed facilities
4789 Transportation Services, nec

### Communications

4812 Radiotelephone communications
4813 Telephone communications, except radio
4822 Telegraph and other communications
4832 Radio broadcasting stations
4833 Television broadcasting stations
4841 Cable and other pay TV services
4899 Communication services, nec

### Electric, Gas, and Sanitary Services

4911 Electric services
4922 Natural gas transmission
4923 Gas transmission and distribution
4924 Natural gas distribution
4925 Gas production and/or distribution
4931 Electric and other services combined
4932 Gas and other services combined
4939 Combination utilities, nec
4941 Water supply
4952 Sewerage systems
4953 Refuse systems
4959 Sanitary services, nec
4961 Steam and air conditioning supply
4971 Irrigation systems

## Wholesale Trade

### Wholesale Trade, Durable Goods

5012 Automobiles and other motor vehicles
5013 Motor vehicle supplies and new parts
5014 Tires and tubes
5015 Motor vehicle parts, used
5021 Furniture
5023 Home furnishings
5031 Lumber, plywood and millwork
5032 Brick, stone, and related materials
5033 Roofing, siding and insulation
5039 Construction materials, nec
5043 Photographic equipment and supplies
5044 Office equipment
5045 Computers, peripherals, and software
5046 Commercial equipment, nec
5047 Medicinal and hospital equipment
5048 Ophthalmic goods
5049 Professional equipment, nec
5051 Metals service centers and offices
5052 Coal and other minerals and ores
5063 Electrical apparatus and equipment
5064 Electrical appiances, TV and radios
5065 Electronic parts and equipment
5072 Hardware
5074 Plumbing and hydronic heating supplies
5075 Warm air heating and air conditioning
5078 Refrigeration equipment and supplies
5082 Construction and mining machinery
5083 Farm and garden machinery
5084 Industrial machinery and equipment
5085 Industrial supplies
5087 Service establishment equipment
5088 Transportation equipment and supplies
5091 Sporting and recreational goods
5092 Toys and hobby goods and supplies
5093 Scrap and waste materials
5094 Jewelry and precious stones
5099 Durable goods, nec

### Wholesale Trade, Nondurable Goods

5111 Printing and writing paper
5112 Stationery and office suppliers
5113 Industrial and personal service paper
5122 Drugs, proprietaries, and sundries
5131 Piece goods and notions
5136 Men's and boys' clothing
5137 Women's and childrens' clothing
5139 Footwear
5141 Groceries, general line
5142 Packaged frozen foods
5143 Dairy products, except dried or canned
5144 Poultry and poultry products
5145 Confectionery
5146 Fish and seafoods
5147 Meats and meat products
5148 Fresh fruits and vegetables
5149 Groceries and related products, nec
5153 Grain and field beans
5154 Livestock
5159 Farm-product raw materials, nec
5162 Plastics materials and basic shapes
5169 Chemicals and allied products, nec
5171 Petroleum bulk stations and terminals
5172 Petroleum products, nec
5181 Beer and ale
5182 Wines and distilled beverages
5191 Farm supplies
5192 Books, periodicals, and newspapers
5193 Flowers and florists' supplies
5194 Tobacco and tobacco products
5198 Paints, varnishes, and supplies
5199 Nondurable goods, nec

## Retail Trade

### Building Materials and Garden Supplies

5211 Lumber and other building materials
5231 Paint, glass, and wallpaper stores
5251 Hardware stores
5261 Retail nurseries and gardens
5271 Mobile home dealers

### General Merchandise Stores

5311 Department stores
5331 Variety stores
5399 Miscellaneous general merchandise stores

### Food Stores

5411 Grocery stores
5421 Meat and fish market
5431 Fruit and vegetable markets
5441 Candy, nut, and confectionery stores
5451 Dairy products stores
5461 Retail bakers
5499 Miscellaneous food stores

Note: nec = not elsewhere classified.

### Automotive Dealers and Service Stations
5511 New and used car dealers
5521 Used car dealers
5531 Auto and home supply stores
5541 Gasoline service stations
5551 Boat dealers
5561 Recreational vehicle dealers
5571 Motorcycle dealers
5599 Automotive dealers, nec

### Apparel and Accessory Stores
5611 Men's and boys' clothing stores
5621 Women's clothing stores
5632 Women's accessory and specialty stores
5641 Children's and infants' wear stores
5651 Family clothing stores
5661 Shoe stores
5699 Miscellaneous apparel and accessory stores

### Furniture and Home Furnishings Stores
5712 Furniture stores
5713 Floor covering stores
5714 Drapery and upholstery stores
5719 Miscellaneous home furnishings stores
5722 Household appliance stores
5731 Radio, TV, and electronic stores
5734 Computer and software stores
5735 Record and prerecorded tape stores
5736 Musical instruments stores

### Eating and Drinking Places
5812 Eating places
5813 Drinking places

### Miscellaneous Retail
5912 Drugstores and proprietary stores
5921 Liquor stores
5932 Used merchandise stores
5941 Sporting goods and bicycle shops
5942 Book stores
5943 Stationery stores
5944 Jewelry stores
5945 Hobby, toy, and game shops
5946 Camera and photographic supply stores
5947 Gift, novelty, and souvenir shops
5948 Luggage and leather goods stores
5949 Sewing, needlework, and piece goods
5961 Catalog and mail order houses
5962 Merchandising machine operators
5963 Direct selling organizations
5983 Fuel oil dealers
5989 Fuel dealers, nec
5984 Liquefied petroleum gas dealers
5992 Florists
5993 Cigar stores and stands
5994 News dealers and newsstands
5995 Optical goods stores
5999 Miscellaneous retail stores, nec

## Finance, Insurance & Real Estate

### Depository Institutions
6011 Federal Reserve banks
6019 Central reserve depository, nec
6021 National commercial banks
6022 State commercial banks
6029 Commercial banks, nec
6035 Federal savings institutions
6036 Savings institutions, except federal
6061 Federal credit unions
6062 State credit unions
6081 Foreign banks and branches and agencies
6082 Foreign trade and international banks
6091 Nondeposit trust facilities
6099 Functions related to deposit banking

### Nondepository Institutions
6111 Federal and federally-sponsored credit
6141 Personal credit institutions
6153 Short-term business credit
6159 Miscellaneous business credit institutions
6162 Mortgage bankers and correspondents
6163 Loan brokers

### Security and Commodity Brokers
6211 Security brokers and dealers
6221 Commodity contracts brokers, dealers
6231 Security and commodity exchanges
6282 Investments
6289 Security and commodity services, nec

### Insurance Carriers
6311 Life insurance
6321 Accident and health insurance
6324 Hospital and medical service plans
6331 Fire, marine, and casualty insurance
6351 Surety insurance
6361 Title insurance
6371 Pension, health, and welfare funds
6399 Insurance carriers, nec

### Insurance Agents, Brokers, and Service
6411 Insurance agents, brokers, and service

### Real Estate
6512 Nonresidential building operators
6513 Apartment building operators
6514 Dwelling operators, except apartments
6515 Mobile home site operators
6517 Railroad property lessons
6519 Real property lessons, nec
6531 Real estate agents and managers
6541 Title abstract offices
6552 Subdividers and developers, nec
6553 Cemetary subdividers and developers

### Holding and Other Investment Offices
6712 Bank holding companies
6719 Holding companies, nec
6722 Management investment open-end
6726 Investment offices, nec
6732 Educational, religious, etc. trusts
6733 Trusts, nec
6792 Oil royalty traders
6794 Patent owners and lessons
6798 Real estate investment trusts
6799 Investors, nec

## Services

### Hotels and Other Lodging Places
7011 Hotels and motels
7021 Rooming and boarding houses
7032 Sporting and recreational camps
7031 Trailer parks and campsites
7041 Membership-basis organization hotels

### Personal Services
7211 Power laundries, family and commercial
7212 Garment pressing and cleaners' agents
7213 Linen supply
7215 Coin-operated laundries and cleaning
7216 Dry cleaning plants, except rug
7217 Carpet and upholstery cleaning
7218 Industrial launderers
7219 Laundry and garment services, nec
7221 Photographic studios, portrait
7231 Beauty shops
7241 Barber shops
7251 Shoe repair and shoeshine shops
7261 Funeral service and crematories
7291 Tax return preparation services
7299 Miscellaneous personal services, nec

### Business Services
7311 Advertising agencies
7312 Outdoor advertising services
7313 Radio, TV, publisher representatives
7319 Advertising, nec
7322 Adjustment and collection services
7323 Credit reporting services
7331 Direct mail advertising services
7334 Photocopying and duplicating services
7335 Commercial photography
7336 Commercial art and graphic design
7338 Secretarial and court reporting
7342 Disinfecting and pest control services
7349 Building maintenance services, nec
7352 Medical equipment rental
7353 Heavy construction equipment rental
7359 Equipment rental and leasing, nec
7361 Employment agencies
7363 Help supply services
7371 Computer programming services
7372 Prepackaged software
7373 Computer integrated systems design
7374 Data processing services
7375 Information retrieval services
7376 Computer facilities management
7377 Computer rental and leasing
7378 Computer maintenance and repair
7379 Computer related services, nec
7381 Detective and armored car services
7382 Security systems services
7383 News syndicates
7384 Photofinishing laboratories
7389 Business services, nec

### Automotive Repair, Services, and Parking
7513 Truck rental and leasing, no drivers
7514 Passenger car rental
7515 Passenger car leasing
7519 Utility trailer rental
7521 Automobile parking
7532 Top and body repair and paint shops
7533 Auto exhaust system repair shops
7534 Tire retreading and repair shops
7536 Automotive glass replacement shops
7537 Automotive transmission repair shops
7538 General automotive repair shops
7539 Automotive repair shops, nec
7542 Car washes
7549 Automotive services, nec

Note: nec = not elsewhere classified.

### Miscellaneous Repair Services
7622 Radio and television repair
7623 Refrigeration service and repair
7629 Electrical repair shops, nec
7631 Watch, clock, and jewelry repair
7641 Reupholstery and furniture repair
7592 Welding repair
7694 Armature rewinding shops
7699 Repair services, nec

### Motion Pictures
7812 Motion picture and video production
7819 Services allied to motion pictures
7822 Motion pictures and tape distribution
7829 Motion picture distribution services
7832 Motion picture theaters except drive-in
7833 Drive-in motion picture theaters
7841 Video tape rental

### Amusement and Recreation Services
7911 Dance studios, schools and halls
7922 Theatrical producers and services
7929 Entertainers and entertainment groups
7833 Bowling centers
7941 Sports clubs, managers, and promoters
7948 Racing, including track operation
7991 Physical fitness facilities
7992 Public golf courses
7993 Coin-operated amusement devices
7996 Amusement parks
7997 Membership sports and recreation clubs
7999 Amusement and recreation, nec

### Health Services
8011 Offices and clinics of medical doctors
8021 Offices and clinics of dentists
8031 Offices of osteopathic physicians
8041 Offices and clinics of chiropractors
8042 Offices and clinics of optometrists
8043 Offices and clinics of podiatrists
8049 Offices of health practitioners, nec
8051 Skilled nurse care facilities
8052 Intermediate care facilities
8059 Nursing and personal care, nec
8062 General medical and surgical hospitals
8063 Psychiatric hospitals
8069 Specialty hospitals, except psychiatric
8071 Medical laboratories
8072 Dental laboratories
8082 Home health care services
8092 Kidney dialysis centers
8093 Specialty outpatient clinics, nec
8099 Health and allied services, nec

### Legal Services
8111 Legal services

### Educational Services
8211 Elementary and secondary schools
8221 Colleges and universities
8222 Junior colleges
8231 Libraries
8243 Data processing schools
8244 Business and secretarial schools
8249 Vocational schools, nec
8299 Schools and educational services, nec

### Social Services
8322 Individual and family services
8331 Job training and related services
8351 Child day care services
8361 Residential care
8399 Social services, nec

### Museums, Botanical, Zoological Gardens
8412 Museums and art galleries
8422 Botanical and zoological gardens

### Membership Organizations
8611 Business associations
8621 Professional organizations
8631 Labor organizations
8641 Civic and social associations
8651 Political organizations
8661 Religious organizations
8699 Membership organizations, nec

### Engineering and Management Services
8711 Engineering services
8712 Architectural services
8713 Surveying services
8721 Accounting, auditing, and bookkeeping
8731 Commercial physical research
8732 Commercial nonphysical research
8733 Noncommercial research organizations
8734 Testing laboratories
8741 Management services
8742 Management consulting services
8743 Public relations services
8744 Facilities support services
8748 Business consulting, nec

### Private Households
8811 Private households

### Services, Nec
8999 Services, nec

## Public Administration

### Executive, Legislative, and General
9111 Executive offices
9121 Legislative bodies
9131 Executive and legislative combined
9199 General government, nec

### Justice, Public Order, and Safety
9211 Courts
9221 Police protection
9222 Legal counsel and prosecution
9223 Correctional institutions
9224 Fire protection
9229 Public order and safety, nec

### Finance Taxation, and Monetary Policy
9311 Finance, taxation, and monetary policy

### Administration of Human Resources
9411 Administration of educational programs
9431 Administration of public health programs
9441 Administration of social and manpower programs
9451 Administration of veterans' affairs

### Environmental Quality and Housing
9511 Air, water, and solid waste management
9512 Land, mineral, wildlife conservation
9531 Housing programs
9532 Urban and community development

### Administration of Economic Programs
9611 Admin. of general economic programs
9621 Regulation, admin. of transportation
9631 Regulation, administration of utilities
9641 Regulation of agricultural marketing
9651 Regulation of misc. commercial sectors
9661 Space research and technology

### National Security and International Affairs
9711 National security
9721 International affairs

### Nonclassifiable Establishments
9999 Nonclassifiable establishment

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Note: nec = not elsewhere classified.

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**Appendix B- Industrial Experience by SIC Code**
Refer to the index for specific page numbers.

SIC Code

01) City of LA Environmental Affairs, Department of Public Works, Illinois HWRIC, Iowa Waste Reduction Center, MSU Extension Service, University of North Dakota

02) Iowa Waste Reduction Center, MSU Extension Service
07) Iowa Waste Reduction Center, Missouri DNR, Thurston County Health
10) Montana SBAP
12) US EPA Region VIII, Wyoming DEQ
13) Alaska DEC, Illinois HWRIC,
15) Illinois HWRIC,
16) Illinois HWRIC, Kentucky Partners
17) City and County of San Francisco, Illinois HWRIC, MNTAP, Salt Lake City-County Health
20) Alabama WRATT, City of LA Environmental Affairs Department, City of Winston-Salem, CMTC, Delaware DNREC, GTRI, Illinois HWRIC, Iowa DNR, Iowa Waste Reduction Center, Kentucky Partners, New York DEC, North Carolina DEHNR, Ohio EPA, Rhode Island Center for Pollution Control, TNRCC, University of Tennessee, University of Wisconsin

21) Arkansas Industrial Development Commission, City of Winston-Salem, University of Tennessee
22) Alabama WRATT, Arkansas Industrial Development Commission, City of Winston-Salem, Clemson University, CMTC, Georgia P2 Assistance Division, GTRI, Kentucky Partners, Massachusetts OTA, North Carolina DEHNR, Rhode Island Center for Pollution Control, TNRCC, University of Tennessee, US EPA Region IV, Virginia DEQ

23) Arkansas Industrial Development Commission, City of Winston-Salem, CMTC, CONNTAP, Kentucky Partners, University of Tennessee

24) CAMP, CONNTAP, Georgia P2 Assistance Division, Iowa Waste Reduction Center, MNTAP, Montana SBAP, Salt Lake City-County Health, University of Tennessee, Washington State Department of Ecology, West Virginia DEP, Wisconsin DNR

25) Arkansas Industrial Development Commission, CMTC, GTRI, Indiana P2 Institute, Iowa Waste Reduction Center, Kansas State University, Kentucky Partners, MNTAP, New York DEC, North Carolina DEHNR, TVA, University of Tennessee, US EPA Region IV, Vermont Agency of Natural Resources, Virginia DEQ, Washington State Department of Ecology, Wisconsin DNR

26) Alabama WRATT, Arkansas Industrial Development Commission, CAMP, City of Winston-Salem, CMTC, CONNTAP, Georgia P2 Assistance Division, GTRI, Kentucky Partners, Massachusetts OTA, New Jersey DEP, New York DEC, P2 Research Center, Southeast Manufacturing Technology Center, University of Tennessee, US EPA Region IV, Washington State Department of Ecology

27) Arkansas Industrial Development Commission, CAMP, City and County of San Francisco, City of Winston-Salem, Connecticut DEP, CONNTAP, Florida DEP, Georgia P2 Assistance Division, IAMS, Illinois HWRIC, Iowa Waste Reduction Center, Kansas State University, Kentucky Partners, Lincoln/Lancaster County Health, Massachusetts OTA, Massachusetts TURI, MNTAP, MSU Extension Service, Nevada County Hazardous Waste Task Force, Nevada SBDC, New

Hampshire DES, Ohio EPA, Orange County Environmental Health, Pennsylvania TAP, Rhode Island Center for Pollution Control, Salt Lake City-County Health, South Carolina DHEC, TNRCC, Thurston County Health, University of Tennessee, US EPA Region IV, Vermont Agency of Natural Resources, Virginia DEQ, Wisconsin DNR

28) Alabama WRATT, Allegheny County Health Department, CAMP, City and County of San Francisco, Clemson University, Georgia P2 Assistance Division, GTRI, IAMS, Illinois HWRIC, Indiana DEM, Kentucky Partners, Massachusetts OTA, Missouri DNR, New Jersey DEP, New York DEC, Orange County Environmental Health, P2 Research Center, Rhode Island Center for Pollution Control, South Carolina DHEC, TNRCC, University of Tennessee, Virginia DEQ

29) Allegheny County Health, Arkansas Industrial Development Commission, California DTSC, CAMP, Illinois HWRIC, TNRCC, University of Tennessee, University of Tennessee, Washington State Department of Ecology, West Virginia DEP, Wyoming DEQ

30) Arizona DEQ, Arkansas Industrial Development Commission, CAMP, CMTC, CONNTAP, Georgia P2 Assistance Division, GTRI, Indiana P2 Institute, Iowa Waste Reduction Center, Massachusetts OTA, MNTAP, Nevada SBDC, New Jersey DEP, Rhode Island Center for Pollution Control, Southeast Manufacturing Technology Center, TNRCC, University of Detroit Mercy, University of North Dakota, University of Tennessee, University of Wisconsin, Washington State Department of Ecology

31) Arkansas Industrial Development Commission, University of Tennessee

32) Arkansas Industrial Development Commission, CAMP, Georgia P2 Assistance Division, GTRI, Iowa DNR, Kansas State University, Kentucky Partners, Salt Lake City-County Health, TNRCC, University of Tennessee, West Virginia DEP

33) Alabama WRATT, Allegheny County Health, Arkansas Industrial Development Commission, CAMP, CONNTAP, Georgia P2 Assistance Division, GTRI, IAMS, Indiana DEM, Indiana P2 Institute, Iowa DNR, Iowa Waste Reduction Center, Kansas State University, Montana SBAP, New Hampshire DES, New Jersey DEP, New York DEC, Pennsylvania TAP, South Carolina DHEC, TNRCC, University of Tennessee, Virginia DEQ, Washington State Department of Ecology

34) Alabama WRATT, Arizona DEQ, Arkansas Industrial Development Commission,California DTSC, CAMP, City and County of San Francisco, City of LA Environmental Affairs Department, City of Winston-Salem, Clemson University, CMTC, CONNTAP, Erie County DEP, Florida DEP, Georgia P2 Assistance Division, GTRI, IAMS, Illinois HWRIC, Indiana DEM, Iowa DNR, Iowa Waste Reduction Center, Kansas State University, Kentucky Partners, Maine Metal Products Association, Massachusetts OTA, Massachusetts TURI, Michigan DEQ, Nevada SBDC, New Hampshire DES, New Jersey DEP, New Jersey TAP, North Carolina DEHNR, Ohio EPA, Orange County Environmental Health Pennsylvania TAP, Rhode Island Center for Pollution Control, Rhode Island DEM, Salt Lake City-County Health, South Carolina DHEC, Southeast Manufacturing Technology Center, TNRCC, TVA, University of Tennessee, US EPA Region IV, Vermont Agency of Natural Resources, Virginia DEQ, Washington State Department of Ecology

35) Alabama WRATT, Arkansas Industrial Development Commission, CAMP, City of Winston-Salem, CMTC, CONNTAP, Georgia P2 Assistance Division, GTRI, Iowa DNR, Iowa Waste Reduction Center, Kansas State University, Maine Metal Products Association, Massachusetts OTA, MNTAP, Montana SBAP, New Hampshire DES, New York DEC, TNRCC, University of Tennessee, US EPA Region IV, West Virginia DEP

36) Arkansas Industrial Development Commission, California DTSC, CAMP, City of LA Environmental Affairs Department, City of Winston-Salem, Clemson University, CMTC, CONNTAP, Eastern Municipal Water District, Florida DEP, Georgia P2 Assistance Division, GTRI, Illinois HWRIC, Indiana P2 Institute, Iowa Waste Reduction Center, Kentucky Partners, Massachusetts OTA, MNTAP, Nevada SBDC, New Hampshire DES, New York DEC, P2 Research Center, Rhode Island Center for Pollution Control, South Carolina DHEC, TNRCC, UCLA-PPERC, University of Tennessee, US EPA Region IV, US EPA Region VIII, Virginia DEQ, Washington State Department of Ecology

37) Allegheny County Health Department, Arkansas Industrial Development Commission, California DTSC, CAMP, CMTC, City of LA Environmental Affairs Department, CONNTAP, Eastern Municipal Water District, Florida DEP, Georgia P2 Assistance Division, GTRI, Illinois HWRIC, Indiana P2 Institute, Iowa DNR, Kansas State University, Maine Metal Products Association, New York DEC, North Carolina DEHNR, University of Detroit-Mercy, University of Tennessee, US EPA Region IV, US EPA Region VIII, Virginia DEQ

38) Arkansas Industrial Development Commission, California DTSC, CAMP, CMTC, CONNTAP, GTRI, University of Tennessee

39) Arkansas Industrial Development Commission, City of LA Environmental Affairs Department, CMTC, CONNTAP, Indiana P2 Institute, Iowa Waste Reduction Center, Massachusetts OTA, MNTAP, Rhode Island Center for Pollution Control, University of Tennessee, US EPA Region IV

40) Illinois HWRIC, University of Wisconsin
41) Illinois HWRIC, Nevada SBDC, Rhode Island Center for Pollution Control, University of North Dakota

42) City of Winston-Salem, Illinois HWRIC, West Virginia DEP
44) City of LA Environmental Affairs Department
45) City of LA Environmental Affairs Department, City of Winston-Salem, Florida DEP, Georgia P2 Assistance Division, West Virginia DEP

46) Georgia P2 Assistance Division
47) Michigan DEQ
49) CAMP, Georgia P2 Assistance Division, Illinois HWRIC, Lower Colorado River Authority, TNRCC, University of North Dakota

50) Iowa Waste Reduction Center, MNTAP, Salt Lake City-County Health, West Virginia DEP
51) Missouri DNR,MNTAP, UCLA-PPERC
52) City of LA Environmental Affairs Department, Iowa Waste Reduction Center
53) Iowa Waste Reduction Center
54) Iowa Waste Reduction Center
55) City and County of San Francisco, Connecticut DEP, Illinois HWRIC, Iowa Waste Reduction Center, Metropolitan Washington Council of Governments, Vermont Agency of Natural Resources

56) Iowa Waste Reduction Center
57) Iowa Waste Reduction Center
58) Illinois HWRIC, Iowa Waste Reduction Center
59) CONNTAP, Iowa Waste Reduction Center
70) Iowa Waste Reduction Center, MSU Extension Service, University of the Virgin Islands, US EPA

Region VIII

71) Iowa Waste Reduction Center
72) Connecticut DEP, Illinois HWRIC, Indiana DEM, Iowa Waste Reduction Center, Montana SBAP, MSU Extension Service, Nevada SBDC, Orange County Environmental Health, Salt Lake City-County Health, Thurston County Health, UCLA-PPERC, Wisconsin DNR

73) California DTSC, City of Phoenix, CONNTAP, Illinois HWRIC, Iowa Waste Reduction Center, MNTAP, Nevada SBDC, Salt Lake City-County Health, Thurston County Health, University of the Virgin Islands

74) Iowa Waste Reduction Center
75) Arizona DEQ, City and County of San Francisco, City of LA Environmental Affairs Department, Colorado Department of Public Health and Environment, Eastern Municipal Water District, Erie County DEP, Florida DEP, Iowa Waste Reduction Center, Lincoln/Lancaster County Health, Metropolitan Washington Council of Governments, MNTAP, MSU Extension Service, Nevada County Hazardous Waste Task Force, Nevada SBDC, New Hampshire DES, Orange County Environmental Health, Rhode Island Center for Pollution Control, Salt Lake City-County Health, Thurston County Health, University of Wisconsin, US EPA Region VIII, West Virginia DEP

76) City of LA Environmental Affairs Department, CONNTAP, Iowa Waste Reduction Center
77) Iowa Waste Reduction Center
78) Iowa Waste Reduction Center
79) Iowa Waste Reduction Center
80) City and County of San Francisco, City of Phoenix, Illinois HWRIC, Indiana DEM, Iowa Waste Reduction Center, Lincoln/Lancaster County Health, Massachusetts OTA, Michigan DEQ, Nevada SBDC, North Carolina DEHNR, Thurston County Health

81) Iowa Waste Reduction Center
82) Illinois HWRIC, Iowa Waste Reduction Center, Thurston County Health, University of Texas at Arlington

83) Iowa Waste Reduction Center
84) Iowa Waste Reduction Center
85) Iowa Waste Reduction Center
86) CAMP, Iowa Waste Reduction Center
87) CAMP, CONNTAP, Georgia P2 Assistance Division, Iowa Waste Reduction Center, University of North Dakota

88) City and County of San Francisco, Iowa Waste Reduction Center, Lincoln/Lancaster County Health
89) Iowa Waste Reduction Center
91) City of LA Environmental Affairs Department, Iowa Waste Reduction Center
92) Iowa Waste Reduction Center, Massachusetts OTA
93) Iowa Waste Reduction Center
94) Iowa Waste Reduction Center
95) Illinois HWRIC,
Iowa Waste Reduction Center, New Mexico State University

96) Iowa Waste Reduction Center
97) Alaska DEC, Iowa Waste Reduction Center

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